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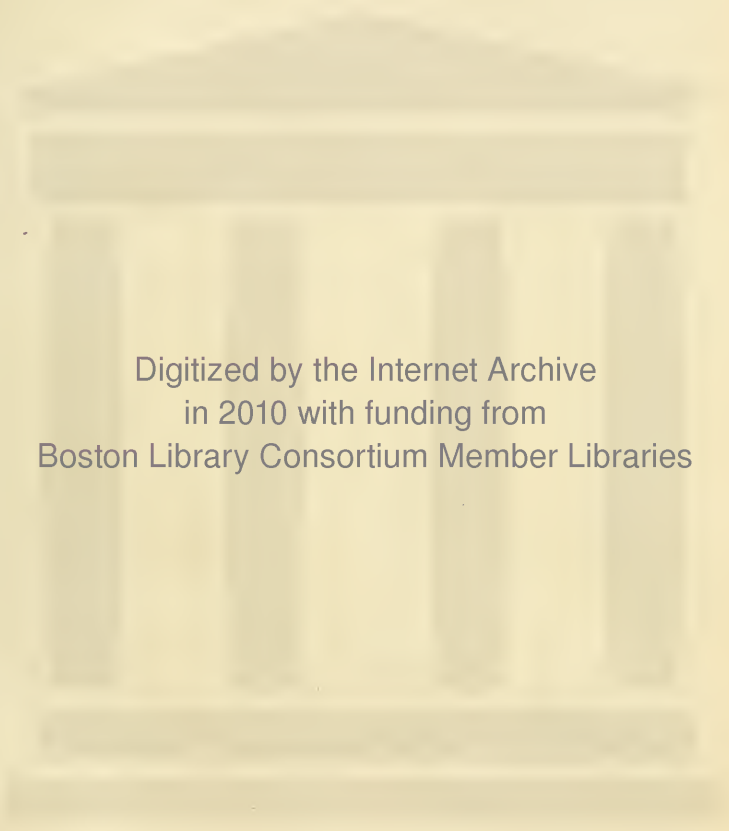


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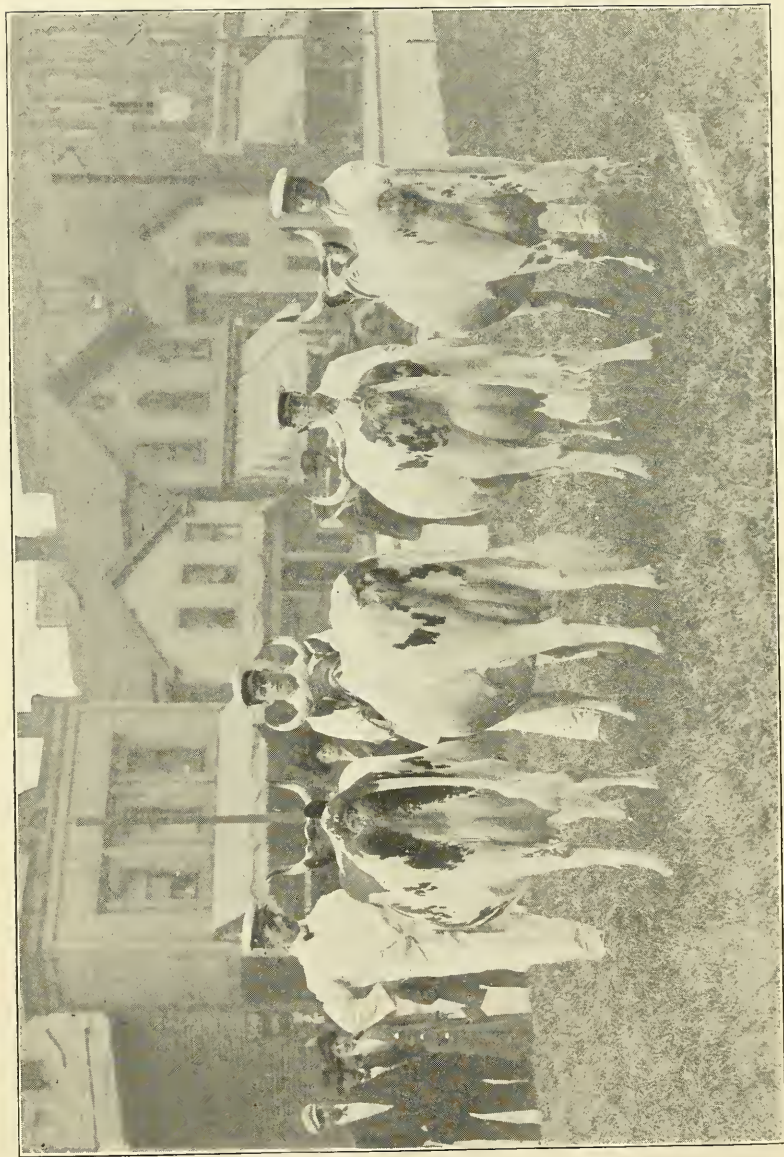
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CHAMPION AYRSHIRE HERD
Owned by P. Ryan, Brewster, N. Y.
National Dairy Show, 1911

AYRSHIRE YEAR BOOK

Nineteen Hundred and Twelve



DEVOTED TO THE PUBLICITY
OF THE AYRSHIRE COW

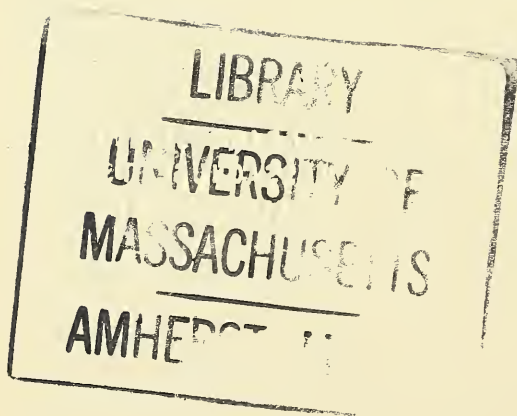
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ANIMAL
HUSBANDRY



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AYRSHIRE CATTLE

C. M. WINSLOW.

Success in transplanting any breed of domestic animals depends largely on whether the country from which they are removed is by nature calculated to fit them for the change, or whether they have to pass through long stages of acclimating to become adapted to the conditions of their new home.

Natural laws governing the survival of the fittest will in time adapt any animals to their surroundings, but in order to become thus adapted, they often change so materially that the original qualities that attracted attention to them are almost entirely lost sight of, and out of the old comes a new and different animal.

It is always wise for a person to carefully examine the natural surroundings of any proposed change in the home of animals, to see if the change may not be too radical for a profitable venture.

Unless the natural food supply of the new home is as good or better than that of the old there is a liability of loss and disappointment, at least for a time until they can accommodate themselves to the new surroundings. The mention of the name of Scotland always suggests to the mind a country of rugged exterior, of fierce winds and terrific storms; the name of Scotchman, sterling grit and hardy constitution, so when we mention the Ayrshire cow, the suggestion is of an animal fitted for a life of daily battle for sustenance, against all the opposing elements of nature.

The County of Ayr, in which the Ayrshire breed of cattle originated, is situated in the southwest of Scotland, backed by mountains on the east and washed by the ocean on the west, having the form of a crescent and embracing the Firth of Clyde in its circle. The face of the country is hilly, and rises from the level of the sea some 2,000 feet to the top of the mountains on the

east. The soil is strong and somewhat heavy, being a clay and clay-loam, but thinner on the tops of the hills and mountains, the whole being originally covered with a dense growth of timber. The climate is moist, with a temperature ranging from about twenty-five to sixty-five degrees, with a mean temperature of about forty-seven degrees, regulated by its proximity to the sea, and with frequent rains, which are favorable to growth of grass, giving luxuriant pasturage, the country is often swept by fierce coast storms.

The first we hear of any effort being made to improve the native stock of Scotland was about the year 1700, and this was said to have been accomplished by selection and better care.

We read from Aiton that about 1750 the Earl of Marchmont purchased from the Bishop of Durham, and carried to his seat in Berwickshire, several cows and a bull of the Teeswater or other English breed, of a brown and white color. He also writes that about 1770, bulls and cows of the Teeswater or Shorthorn breed were said to have been introduced by several proprietors, and it is from them and their crosses with the native stock that the present dairy breed has been formed.

In 1811, in "Survey of Ayrshire," Aiton writes that the Ayrshire dairy breed is "in a great measure the native indigenous breed of the County of Ayr, improved in their size, shapes and qualities, chiefly by judicious selection, cross coupling, feeding and treatment for a long series of time and with much judgment and attention."

From about the beginning of the last century we find frequent mention of efforts for improvement in the shape of body, and especially in the shape of the udder.

Ayrshires were very early brought into Canada by the Scotch settlers, also for use on the ships from Glasgow to supply milk during the voyage, and were sold on arrival at Montreal or Quebec, and so popular were these cows that shipmasters were often commissioned to bring over one or more from Ayrshire. More recently Ayrshires have been imported into Canada in large numbers. The importation to the United States began about



HEATHFLOWER OF BARCHESKIE
Owned by J. W. Clise, Redmond, Wash.



BARGENOCH HOPE
Owned by John R. Valentine, Bryn Mawr, Pa.

1837, by the Massachusetts Society for Promotion of Agriculture bringing a few head into the state and scattering them among the farmers of Massachusetts. Other importations from Scotland followed at intervals into different parts of the United States, as the value of this breed for dairy purposes was made evident, and as the demand became greater than the home breeders could supply.

Within the last few years the importations of Ayrshire cattle from Scotland into the United States have as a rule been of a very high class of dairy animals, and have done much to add to the value of the breed in this country.

There has been more attention paid to the development of the dairy side of the Ayrshire cow in Scotland, which taken in connection with their organizing societies for official testing, has had wonderful influence on the breed, and made it easier for our importers to find such cows as are needed by the Ayrshire breeders on this side to infuse new blood into the herds already formed and to start new herds of the type which the popular taste of today demands.

It is only the best and typical cows of the breed that find favor and are sought after by our best breeders in the States, and the bringing over of this kind is an acquisition we are all glad to welcome.

UNIFORMITY IN SCALE OF POINTS.

In 1906 the three Ayrshire Breeders' Associations adopted a uniform Scale of Points for Scotland, Canada and the United States, which has done much to establish a uniform type in breeding.

What is very gratifying is that all three of the scales call for a marked type of dairy utility.

In all three of the countries this has been followed up by the establishment of the advanced registry system and pushing the breeders to greater effort in breeding for the utility side of the Ayrshire cow.

DESCRIPTION.

The developed Ayrshire cow of today in general is the handsomest and best formed animal of any of the dairy breeds, a sprightly looking cow weighing about one thousand pounds at maturity. She has a small, bony head, large, full eyes, dish face, broad muzzle, large mouth, large nostrils, strong jaws wide at the base, upright horns, long, slim neck, clean cut at throat; thin, sloping shoulders, with the spine rising a little above the shoulder blades, back level to setting on of tail, except a rise at the pelvic arch, broad across the loin, barrel deep and large, with ribs well sprung to give abundant room for storing coarse fodder, and wide through the region of the heart and lungs; hips wide apart, rump long, hind legs straight, thighs thin and incurving, giving room for udder, legs short, bones small, joints firm; udder large and square, on young cows and nearly level with belly, wide, long and strongly hung, teats from two and a half to three and a half inches long, of good size and uniform length, hanging perpendicular and not tapering, placed wide apart on the four corners of the udder, with udder level between the teats and not cut up, milk veins large and tortuous, entering the belly well forward towards the forelegs; skin soft and mellow, covered with a thick growth of fine hair.

Color dark brown and white, or red (which in Scotland is called brown) and white, the relative proportion of the red to the white being variable, sometimes being nearly all red, and sometimes nearly all white. The dark color is sometimes found almost a black, and frequently a chocolate color, especially on the bulls. The white is usually a clear white unmixed with any other color, showing a line of distinct marking between the red and white. Brindle markings are not desirable. The relative amount of red and white is easily controlled, especially in obtaining white, for as before stated the Ayrshire seems to revert to the original white color.

Different countries and different sections prefer different color. United States and Canada of late prefer more white than

red, Scotland is not particular, while Finland and South Africa prefer more red than white.

While the Ayrshire cow should be shapely and handsome to look at as she stands or walks, she should when handled reveal much looseness of vertebra, flatness of rib, and width between the ribs indicating large dairy capacity. The Ayrshire is a tough, hardy cow, with a vigorous appetite, and not too particular what she eats. She is always hungry, eats greedily and chews her cud rapidly. You can rarely see an Ayrshire cow when not either taking in food or chewing what she has already gathered. While at pasture she does not wander around looking for sweet patches of grass, but goes to work rapidly gathering what is most convenient, either of grass or browse, and when full lies down to chew her cud with no time wasted; and when going to and from pasture will chew her cud while walking, and often continues to chew when started into a run.

Her whole being seems bent on getting as full a supply of food as possible, and then getting as much as possible out of it to fill her udder. There is probably no breed of cows that will keep so easily on whatever is most convenient to feed them, and return so much at the pail, and with so little cost as the Ayrshire. She is in the dairy what might be called a rustler.

The general appearance of an Ayrshire, as you look at her, is striking, being alert and full of life and reserved energy. She is a healthy cow, rarely having ailments of body or udder, and you seldom see an Ayrshire cow that has not four healthy quarters in her udder and gives a uniform quantity of milk from each. She is a very persistent milker, giving a uniform quantity well up towards calving, and many of them are dried off with difficulty.

She is very intelligent, quick to learn and of a retentive memory, easily taught to take the same place in the stable and, if required to change, will in a few days readily take the new place. She is quiet and pleasant to milk, not easily disturbed, and will as a rule yield her milk as readily to one milker as to another, and does not seem disturbed by any amount of noise in the stable.

MILK.

While the Ayrshire can fill any place in the dairy with credit to herself and profit to her owner, she is eminently the milkman's cow, and in this capacity has no rival, as her medium size, vigorous appetite and easy keeping qualities make her an economical producer, while her even, uniform production makes her a reliable supply, and the richness of her milk in total solids places it above suspicion from city milk inspectors. Her milk is particularly adapted to transportation, as it does not churn or sour easily, and when poured back and forth a few times will readily mix the cream back into the milk, which will not again readily separate, giving it a uniform quality until the last is sold or used. It has a good body, is rich looking and never looks blue. The milk itself being evenly balanced with casein and butter fat is a complete food, easily digested, nutritious, and is particularly adapted to children and invalids. *Stomachs that are weak and unable to digest other milk, find no trouble with Ayrshire milk.*

It is a well-known fact that the oil in milk is the least valuable as a food, and that milk that has a superabundance of oil is more indigestible than a milk that has a full supply of bone and muscle forming properties, and causes serious disorders in the digestive organs of young children.

There is also a difference in the friability of the curds, that of the Ayrshire being easily disintegrated, while that of the many butter breeds is tough and leathery.

I have frequently had letters from Jersey breeders wishing to buy Ayrshire cows to raise their Jersey calves on Ayrshire milk on account of its great digestibility.

This is not wholly due to the extra richness of the Jersey milk in butter fat, but is partly due to that cause, and partly to the above difference in the quality of the curds.

Another valuable quality in the Ayrshire cow as a milk producer is her rugged health and freedom from disease of body or udder.

It is a very rare thing to find an Ayrshire cow that has tuberculosis or any disease of the udder.

To produce good wholesome milk it is important to have a sound, healthy body, free from all disease, and this the Ayrshire gets from her strong constitution and vigorous appetite, giving her a healthy body, with which to manufacture wholesome milk.

CREAM.

Her milk is admirably adapted to the manufacture of sweet cream for table use, making a smooth cream that keeps well and is most delightful as a table cream, the globules being smaller, making it more easily digested and assimilated.

Ayrshire cream is particularly adapted to the manufacture of a high grade of ice cream, the claim being made by manufacturers that a quart of Ayrshire cream makes more in freezing than any other cream.

BUTTER.

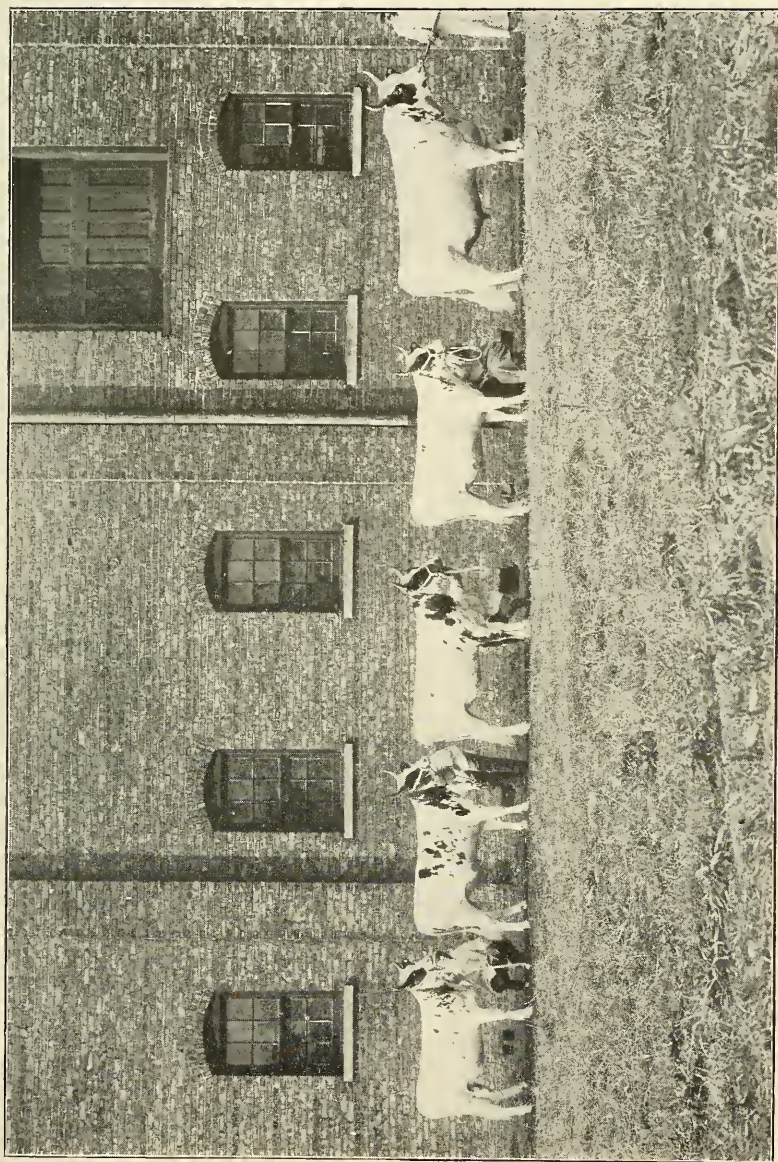
The Ayrshire cow, being so admirably adapted by nature to supply milk and cream for the table, has almost always found her place in the supply stable near cities and towns, where high grade digestible milk is wanted.

Until the advent of the separator, there was a valid objection to the Ayrshire, on account of the very point that makes her so valuable as a milk producer.

The butter globules being small, the cream rises slowly and gives an imperfect separation, taking a long time for the process, so that while the Jersey cream will about all rise in twelve to twenty-four hours, it takes from thirty-six to forty-eight hours for the Ayrshire cream to rise; and the Ayrshire gives such a large quantity of milk that it makes it cumbersome to handle so much milk for so long a time.

Since the separator came into general use all this difficulty is done away with, for the separator extracts the cream from Ayrshire milk as quickly and as fully as from the Jersey, and it churns as readily.

It is a fact, however, that in summer the Ayrshire butter will not stand up as firmly as will the Jersey, on account of the stearine or tallow that composes the butter fat of the Jersey.



BRANFORD FARMS AYRSHIRE
Owned by Branford Farms, Groton, Conn.

Many people who have tried the Ayrshire butter prefer it to any other on account of its fine flavor and the ease with which it spreads, especially in winter. It is only within a very few years that the Ayrshire has been tried for her ability to make butter, and in this short time she has proved that she is no mean cow as a butter producer, and that if any systematic effort had ever been made to develop her butter quality she would stand second to none as a butter cow.

The butter records, further along in this article, show what she has done in a haphazard way of selecting cows for testing.

LONGEVITY.

Another unusual quality of the Ayrshire, among the dairy breeds, is her staying quality, in keeping up her milking tendency until long past the common age of milking.

It is not an uncommon thing to find an Ayrshire doing her full work at from twelve to fifteen years of age, with a young looking mouth at sixteen to seventeen, and a perfect udder in health and strength long after the age which has ended the usefulness of other cows.

One thing that speaks well for the breed, is that almost always a man who has owned an Ayrshire is her friend and speaks well of her ever thereafter.

It is only recently that any effort has been made to gather official records of the dairy yield of Ayrshire cows.

These tests, made through the different Experiment Stations of the country, show her to be a milk and butter producer above the average of the dairy breeds.

BEEF.

The ease and quickness of the Ayrshire cow to fatten when dry make her a profitable cow to turn into beef when her days of usefulness are over as a dairy cow. Her meat is red, her tallow white, her hams large, her loins thick, her meat well flecked, her bones small, all of which make her most desirable for the butcher.

TOP CROSS.

As a top cross on other breeds the Ayrshire is a success in producing a more desirable dairy cow. With the Shorthorn they nick nicely, producing a fairly good dairy cow, in size between the two, and a handsome, attractive cow that sells well in the markets.

With the Jersey they seem to make up what is lacking in the Jersey, and give a good, all-round dairy cow, larger and hardier than the pure-bred Jersey, giving more milk and of nearly as rich quality, and are said to be more profitable in the dairy than the pure-bred Jersey. Ayrshire bulls have for several years been eagerly sought for to cross on unregistered or high-grade Jerseys in the common dairy.

It is a noticeable fact that where Ayrshire bulls have been continuously used on common cows and heifers raised for the dairy, the average receipts in dollars from such a herd have been considerably in excess of common dairies, so much so that in dairy sections where the milk or cream goes to the butter factory, there is an active demand for pure-bred Ayrshire bulls to cross on native herds of cows.

OFFICIAL TESTS.

The steadily growing popularity of the Ayrshire cow with the dairyman who is looking for the highest profit to be obtained from his herd, and the gentleman farmer, who wishes to combine fancy farming with a dairy herd that will help pay the fancy expenses of the farm, places the Ayrshire in a most enviable position among the dairy breeds, and makes her an all-round, popular business cow, and of most beautiful and attractive appearance.

There has heretofore been a lack of concentrated effort in bringing out the merits of the Ayrshire cow but of late years a number of men of means have become attracted to her on account of her beauty of form and hardy constitution, and the response she has made to good care and proper feeding is simply wonderful. The records speak for themselves. Her development is only in its infancy.

Of late years the Scotch have instituted a form of test for two days, called the Derby, testing the cow in the ring as a show cow, and again at home as a dairy cow, combining the two in making the final award.

They have also established the Milk Records Society of Ayr, which is doing much to bring out the dairy ability of their cows, the same as our advanced registry system is doing for the Ayrshire in this country.

In Canada the Canadian government has recently instituted periodical tests of different dairy breeds under the specific direction of each breed through its Association, the expense of which is paid for by the Canadian government.

Under this management the Canadian Ayrshire Association have recently formulated rules and regulations for governing a series of yearly tests for Ayrshire cows to admit them to advanced registry. This will gradually bring to the front the best specimens of the breed for dairy production, and will give an opportunity for progressive breeds to bring into their lines of breeding an advancement of dairy production.

In the United States there have been a few breeders who for a good many years kept private records of the amount of milk given by the individual cows in their herds, but until the advent of the Babcock tester there was no uniform method by which the breeder could know the quality of the milk, consequently only one side of the yield from his cows was known. Since the Experiment Stations throughout the United States have, in their experimental work, turned their attention to the skillful handling of the milk, the Ayrshire Breeders' Association have established a system of Advanced Registry Tests for the breed, carefully guarded at home against mistakes, and periodically inspected by the Experiment Station where the herd is located.

It is the belief of the Ayrshire Breeders' Association that while daily, weekly and monthly tests are interesting, in a way, they are misleading as to the real value of a cow, and the desire of the Association is to produce and make public the real profit derived from the cow in her normal condition, doing her regular

dairy work of a breeding and dairy cow. A cow must be kept the whole year at an expense, and whether or not she is a paying investment depends upon the receipts from her for the full time she is kept. She might be forced to a phenomenal yield for a week or a month, which if taken as the guide for the whole year would make her a very profitable cow, when, in reality, the short yields were no guide at all for the whole time, and no index as to the dairy profit received from the cow.

The Ayrshire Breeders' Association has always been the leader in all advance movements in bringing the Ayrshire cow to the front in anything that would recommend her to the public.

The Ayrshire Breeders' Association established the first Herd Book for the breed, instituted the first official testing for the breed, and was the first Record Association in America to endeavor to raise the standard of their breed by discriminating against the registration of bulls from ancestry without official records.

We hold the unbeaten official record for the highest milk and butter record for any Ayrshire cow in the world.

When the Association started the official testing, the 10,000 lb. Ayrshire cow was the phenomenal cow, but today a 10,000 lb. record attracts no attention because we have gone so far ahead of this record, and have produced a cow with an official record of over 18,000 lbs., and the 20,000 lb. record is clearly in sight.

Better breeding, better feeding and better care are developing the Ayrshire cow in her dairy points, and the Association by their watchful care aided by the Experiment Stations are giving to the public numerous illustrations of what lies hidden in the breed.

If the few years of official testing have brought out such marked results from herds where no one knew what kind of cows composed the herd, what will be the result when the majority of Ayrshire breeders know to a certainty what is the individual merit of every cow in the herd, and begin to breed intelligently and for a definite purpose?

The show ring being the medium of presenting the breed to the public for observation, has always attracted the attention of the general public, for the efforts of breeders and the scale of points all coincide in producing a very handsome and attractive cow, one that at a glance shows indication of great dairy ability, and also is a beautiful cow to look at.

To have the highest type of perfection in outward form, and the highest yield at the pail, calls into requisition the highest skill of the breeder. The two should go together, and be united in one animal, for all the points that go to make a perfect dairy cow as judged by scoring should be the points that bring out the highest productiveness at the pail.

The small, lean, bony head, with a bright and lively eye, strong jaw, and broad muzzle are perfection in scoring, and just what is needed to excel at the pail.

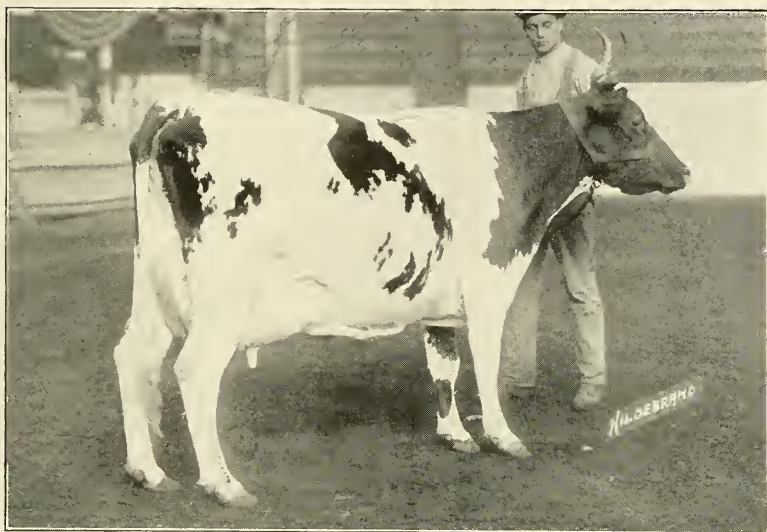
The well sprung rib, the large paunch, are both perfection in points, and what is needed to fill the pail.

The large udder capacity, the well spread teats, the four perfect quarters are what the points call perfection, and indicate the largest ability for production.

The happy blend as you might call it of uniting the high type of the breed in conformation, with the high production as shown in the advanced registry testing, was made strikingly manifest at the National Dairy Show last fall when a long row of Ayrshire cows were led into the ring and lined up for receiving the ribbons.

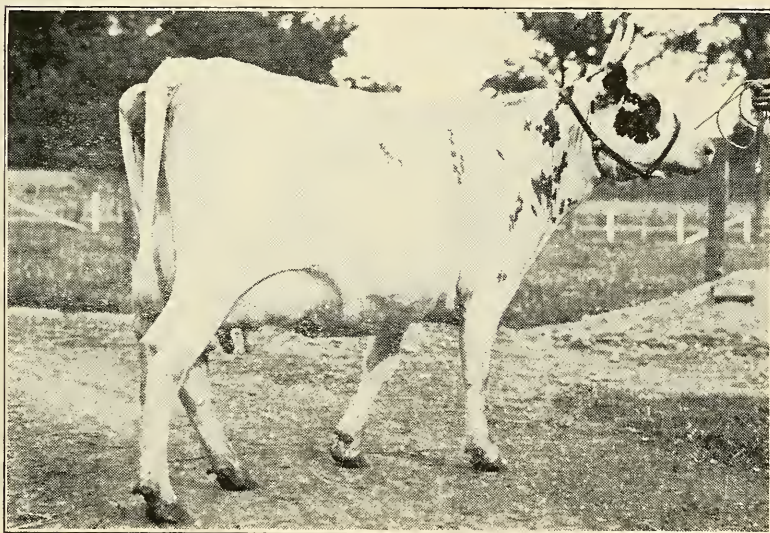
The straight bodies, the large udders, the long teats placed wide apart, the strong indication of great milking capacity that was so apparent filled the spectators with admiration for the breed and made many friends for the "Perfect Cow." It is for breeders of Ayrshires now to watch these points carefully in mating animals. It has already been proven that beauty of form and great milk capacity can be produced by careful breeding.

It has also been proven that the Ayrshire cow will respond to whatever treatment is bestowed upon her and will yield a dairy product just in proportion to her supply of raw material.



OLDHALL LADYSMITH 4TH, 24669

Winner of \$500.00 Valentine Trophy for the Champion Cow of any of the Dairy Breeds, at the National Dairy Show, 1911.



GARLAFF AGNES

Owned by J. W. Ogden, Morristown, N. J.

In testing we have found many cows kept in normal condition that qualified with a creditable record for the food and care bestowed upon them, and too we have found the same cows when fed and cared for in a better manner, gave a correspondingly better record, and when fed and cared for systematically, and to obtain a high yield, they responded to the fullest extent, showing that there was a constitutional capacity in the Ayrshire cow that made it possible to drive her as fast and as far as desired, without reaching the danger point.

Not all the breeders can afford to make a display of their herd at the fairs, but all owners of Ayrshires should take advantage of the opportunity of testing their cows, and learning which are the best in the herd and no breeder can afford not to find out the individuality of the cows standing in his stable.

The demand today is for record cows, and the inquiry for bulls calls for bulls from advanced registry cows.

The public has been, and is being more and more educated to a higher standard of excellence in breeding stock.

The day has gone by when all that was demanded was a registry certificate. The breeder today wants to know what the individual qualities are as well as what is back of his breeding stock.

The demand today is for the highest type of perfection, not only in the production of dairy product, but also in conformation as laid down in the scale of points.

To breed perfection in form and dairy ability, calls for the highest type of a breeder, not a haphazard breeder, not a one-sided breeder, not a careless breeder, but a natural born breeder, a man who can see in his mind's eye the future offspring, the result of his coupling.

A man cannot breed understandingly unless he knows all about the animals that are back of his breeding stock on both sides.

Too many men send away for a bull to head their herd, leaving it to the seller to make the selection, and too often the buyer gives the seller no intimation of the needs of his herd.

The bull is half the herd, and it is very important to obtain such a bull as will overcome and remedy the defects in the cows of his herd, and whose calves will in the majority be an improvement on the dams.

There is no cow or herd of cows that is absolutely perfect in either conformation, dairy production or disposition, and usually the same defect runs through the majority of the herd, especially in the herd of an old breeder.

A breeder wishing to improve his herd, and seeing accounts of wonderful production in some herd or herds writes for a bull and buys one on the dairy record of the dam, without knowing more of his ancestry than the fact of high dairy production.

This bull might be the worst bull possible to place at the head of his herd, because it might be that the cows in both herds had the same defects and he only intensified the defects of his own herd, while another bull from another herd would have balanced up his herd in curing their defects. Too many of our unshapely cows come from just this method of careless breeding, the mating of the same defects found in the breeding of both bull and cows.

This same bull might have gone into some other herd and done good work because the cows did not have the same defects that were in him. The highest perfection cannot be obtained by any breeder until he exercises the utmost care in the choice of a bull to head his herd. The right bull will do wonders in improving a herd, and the wrong bull will almost ruin a herd.

AVERAGE YIELD FOR MILK AND BUTTER.

The average of over 600 cows and heifers that have qualified for advanced registry is as follows:

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
194	Two year olds	7,695	307.56	360	4.07
102	Three year olds	8,774	347.77	404	3.97
77	Four year olds	9,462	369.17	431	3.98
238	Mature cows	10,248	395.39	462	3.94
611	Cows and heifers	9,081	356.25	416	4.

The following are some of the best of the official records in each class:

MATURE FORM.

	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
Netherhall Brownie 9th.....	18,110	820.91	958	4.69
Rena Ross	15,072	643.71	751	4.26
Midget of Sand Hill.....	14,433	521.86	609	3.62
White Floss of Kelso	13,956	518.71	605	3.74
Auchenbrain White Beauty 2d....	13,789	564.39	658	4.18
Queen Ester	13,681	448.21	523	3.28
Fern Ayer	13,601	519.64	606	3.80
Berwine	13,261	449.66	515	3.46
Netherhall Brownie 13th	13,217	503.45	587	3.81
Auchenbrack Sweet Pea 2d.....	13,097	532.87	622	4.18
Leah's Fairy	13,032	437.79	511	3.39
Netherhall Brownie 13th	13,031	490.22	572	3.84
Garclaugh Bloomer 2d	12,969	491.38	573	3.83
Polly Puss	12,632	500.57	584	4.07
Eugenie Douglas	12,570	480.70	561	3.95
Rose Morning	12,564	416.24	486	3.29
Queen of Barclay	12,557	527.89	616	4.12
Rose Ermel	12,501	452.00	527	3.68
Jennie of Sand Hill	12,477	534.45	624	4.32
Primrose	12,465	461.16	538	4.46
Friskey of Bonshaw	12,445	585.66	683	4.88
Lillian Drummond 4th	12,432	445.47	520	3.67
Cora T.	12,392	449.00	524	3.77
Keepsake	12,365	469.32	548	3.84
Florence Melrose	12,349	483.05	564	4.03
Rena Myrtle	12,172	468.00	546	3.77
May Hebron	12,135	483.29	564	4.00
Madonna Lass 3d	12,097	490.67	572	4.30
Bessie Clyde	12,044	459.19	536	3.76
Hazel Acme	12,002	429.84	501	3.58
Bell Ayer	11,934	492.91	575	4.22
Madonna Lass 2d	11,895	416.85	486	3.55
Acelista	11,856	419.14	489	3.55
Bessie of Rosemont	11,784	485.47	566	4.28
Princess Lily	11,771	438.03	511	3.61
Castlemain's Nancy 2d.....	11,767	437.01	510	3.95
Denty 9th of Auchenbrain.....	11,757	452.57	528	3.97
Major Acme's Myra	11,747	425.00	496	3.72
May Mitchell	11,708	459.56	536	4.01
Crimson Maid	11,687	439.94	513	3.78
Rose Clockston	11,612	377.49	440	3.49
Ayrlynn Queen	11,585	399.37	465	3.48
Yarmouth Mayflower	11,549	482.15	562	4.28
Little Kilmory Lady Jane.....	11,505	401.45	468	3.61
Etta Poultney	11,475	419.14	489	3.79
Brown Eyes of Knockdon.....	11,448	437.61	511	3.96
Bessie of Sand Hill.....	11,407	536.28	626	4.70
Primrose	11,372	475.75	555	4.10
Carmina	11,317	444.53	519	4.02
Midget of Sand Hill	11,281	427.47	482	3.75
Queen of Barclay	11,258	414.86	484	3.78

	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
Eugenie Douglas	11,252	416.90	486	3.80
Rutland Girl	11,216	355.50	425	3.20
Gardrum Brandy	11,196	408.32	476	3.71
Esthon Douglas	11,121	412.64	481	3.73
Kitty K.	11,115	439.00	512	3.97
Nino Douglas	11,115	431.47	503	4.86
Yarico 3d	11,089	382.19	446	3.58
Rosanna Webb	11,086	470.37	549	4.24
Lady Wonder 4th	11,085	415.12	484	3.73

FOUR YEAR OLD FORM

Bessie of Rosemont	14,102	578.57	675	4.18
Southwick Woodbine	12,995	468.42	547	3.53
Cora T. 2d	12,230	510.67	596	4.20
Bell Ayer	11,934	492.91	575	4.22
Lady Douglas of Riverside.....	11,577	447.72	522	3.91
Douglas Cordelia	11,448	411.10	480	3.58
Midget of Sand Hill	11,281	421.47	492	3.62
Oshawa Lady 2d	11,254	430.73	503	3.99
Madam Bossi	11,148	463.99	541	3.94
Letta of Avon	11,062	452.67	528	4.19
Mabelle of Highland	10,957	408.22	477	3.85
Finlayston Maggie 3d	10,759	439.71	513	4.27
Pauline Sebastian	10,745	361.71	422	3.36
Kaziah of Highland	10,624	369.12	431	3.74
Esthon Douglas	10,527	373.52	436	3.62
Beckey of Holehouse	10,507	396.85	463	3.88
Abbie Sebastian	10,449	366.00	427	3.87
Rena Ayer	10,424	440.21	514	4.30
Eva of Willowmoor	10,102	449.84	525	4.45
Sarah Hebron	10,097	469.17	547	4.70
October Lass	10,078	397.43	462	3.97
Madonna Lass 2d	10,020	384.85	449	3.94
Garclaugh Mayflower	9,814	394.59	460	3.90
Margaret of Rathalla	9,586	380.42	444	4.13
Maud Douglas	9,529	357.91	421	3.63
Crimson Avis	9,501	321.80	375	3.38
Madge of Wellington	9,494	390.84	456	4.19
Rose Moodna	9,455	322.44	377	3.40
Broomhill Minnie 10th	9,409	380.57	444	4.15
Lady Yarico	9,413	352.61	411	3.75
Agnese Sebastian	9,364	366.00	427	3.87
Princess of Maple Grove.....	9,259	313.03	365	3.41
Columbia Douglas	9,252	356.92	399	3.80
Colonel's Lady Bell	9,226	417.33	487	4.72
Lady Leah	9,199	308.83	360	3.81
Burnside Lady Waddell	9,186	381.09	445	4.24
Douglas Empress	9,165	382.86	447	4.22
Nellie Earl	9,117	342.34	399	3.75
Dollie Kilbowie	9,039	311.14	363	3.49
Crimson Lady	9,032	365.17	426	4.11
Crimson Rambler	9,013	329.91	385	3.72

THREE YEAR OLD FORM.

	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
McAlister's Betty	14,208	581.41	678	4.19
Matie of Sand Hill	13,897	593.16	692	4.32
Ithan 5th	13,180	558.07	651	4.24
Mable of Sand Hill	12,857	501.06	585	3.87
Lily of Willowmoor	12,589	473.83	554	3.80
Queen of Barclay	12,557	497.89	581	3.11
Bernice Clyde	12,505	529.36	618	4.38
Keepsake 2d	12,235	534.38	623	5.20
Curfew Bell	11,181	502.99	587	4.61
White Heather of Torr.....	10,887	449.58	525	4.13
Drummond's Gem	10,746	356.28	416	3.40
Madonna Lass 3d	10,467	429.85	501	4.10
Sweet Josie	10,103	404.57	472	4.18
Jennie of Sand Hill.....	10,160	437.16	500	4.31
Megsy Tipperlin 3d	10,126	381.65	445	3.81
Queen Ester	9,998	330.48	386	3.31
Norwood Model	9,867	336.57	393	3.43
Auchenbrain Favorite Beauty 6th..	9,842	469.43	548	4.81
Midget of Sand Hill.....	9,824	361.71	422	3.73
Lady Quality	9,816	404.26	472	4.12
Josie of Bell Farm.....	9,813	347.61	406	3.57
Daisy Jewess 3d	9,665	356.57	416	3.78
Lucy J.	9,652	407.35	475	4.26
Eugenie Douglas	9,587	379.71	443	4.05
Lady Burton	9,580	326.95	381	3.57
Babe's Duchess	9,559	387.31	452	4.16
Bernice Sebastian	9,467	381.12	445	3.79
Barcheskie Gwynette	9,234	415.01	484	4.60
Finlayston's Fern	9,113	340.82	398	3.81
Mona of Bell Farm.....	9,049	320.77	374	3.62
Yucca Douglas	9,049	317.77	371	3.56

TWO YEAR OLD FORM.

Hazel of Sand Hill	11,078	627.13	732	5.61
Polly Puss 2d	11,060	461.33	538	4.23
Kaziah of Highland	10,970	425.47	497	3.86
Finlayston's Ithan	10,910	494.91	577	4.68
Ithan 5th	10,398	436.95	510	4.33
Trixie of Torr	10,157	392.76	458	3.86
Canary Bell	10,092	371.81	434	3.69
Finlayston's Firefly	9,933	421.54	492	4.42
Madonna Lass 4th	9,786	428.77	500	4.53
Baby Douglas	9,652	377.30	440	3.98
Finlayston's Fern	9,615	378.65	442	3.97
Willowmoor Bonnie Lass	9,488	326.94	381	3.45
Queen 2d of Barclay	9,486	364.28	425	3.40
Blanche of Sand Hill	9,435	389.37	454	4.20
Mabelle of Highland	9,422	356.79	416	3.89
Megsy Tipperlin 3d	9,312	345.12	403	3.88
Nether Craig Spicy Queen.....	9,267	443.35	517	5.64
Lily of Willowmoor	9,211	348.92	407	3.83
Daisy Verbank 2d	9,195	341.81	399	3.81

	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
Gazelle Melrose	9,194	355.88	415	3.91
Skylands Maid	9,108	348.60	407	3.87
Molly of Bell Farm	9,038	327.98	383	3.65
Bessie of Rosemont	8,835	377.11	433	4.02
Netherhall Brownie 18th	8,826	361.75	421	4.09
Bell Ayer 2d	8,819	402.64	470	4.65
Felicia of Highland	8,767	344.27	402	3.97
Grace of Sand Hill	8,698	338.57	395	3.97
Douglas Cordelia	8,649	298.30	348	3.45
Letta Lind of Radnor.....	8,602	372.85	435	4.49
Addington Queen 2d	8,573	328.43	381	3.84
Ithan 4th	8,563	330.81	386	3.90
Clotilde of Rosemont	8,548	322.30	376	3.70
Beulah M.	8,516	357.54	417	4.27
Snowflight of Radnor	8,505	349.30	406	4.10
McAlister's Betty	8,492	356.29	416	4.21
Mina 3d of Radnor	8,349	382.32	446	4.65
Linnette Barcheskie	8,346	270.66	316	3.22
May Hebron 2d	8,312	312.63	365	3.87
White Lola	8,282	295.71	345	3.59
Madge of Bell Farm	8,229	317.61	371	3.11
Mattie of Sand Hill	8,212	349.56	408	4.31
Floer	8,201	345.43	403	4.30
Bonnie 2d of Radnor.....	8,184	345.40	403	3.90
Pansy Earl	8,060	357.53	417	4.61
Francis of Barclay	8,047	345.43	403	4.30
Lady Earl	8,034	353.69	403	4.49
Flossy J.	8,030	298.65	348	3.83
Maud Douglas	8,011	278.20	325	3.48

SHOWING PROGRESS.

In the early days, a few of the breeders of Ayrshires in the United States and Canada kept private records of the yield of milk from their herds for longer or shorter periods. Some weighed the milk for one day each month and estimated the annual yield from that, while a few weighed the milk at each milking, keeping a record of the same.

In 1891 your Secretary, in the attempt to influence the breeders of Ayrshires to know something about their cows, and to make public the dairy excellence of the breed, issued a circular letter asking for reliable information about the yield from each dairy of pure bred Ayrshires owned by members of the Association living in the United States and Canada. I find on file a printed report which starts off with saying, "They were quite generally responded to, but the majority reported that they knew

nothing in regard to the doing of their cows, never weighing or measuring.

Some weighed for a little while and estimated from that. Others weighed periodically and a few at every milking."

Without going into detail in copying that report, I will give some items of interest brought out by the report:

A Wisconsin breeder reports the manufacture of cheese in summer with one pound of cheese to ten pounds of milk, and in winter one pound of butter to twenty pounds of milk.

A Pennsylvania breeder reports weighing his milk at each milking and obtaining an average of 5,500 lbs. of milk from 35 cows and heifers.

A Canadian breeder reports weighing once a month and from that figures an average yield of 7,000 lbs. per cow.

A Rhode Island breeder reports weighing and measuring once a month and getting an average of 6,500 lbs. per cow.

An Ohio breeder reports the weighing of milk daily in summer and the milk manufactured into Swiss cheese, at from ten to eleven pounds of milk to a pound of cheese, and an average of 3,500 lbs. of milk to a cow for the six summer months.

A California breeder reports milk weighed daily with an average for the year of 6,049 lbs. of milk per cow.

A New York breeder reports 6,050 lbs. of milk average from 40 cows, milk weighed daily in bulk at the cheese factory, $9\frac{1}{2}$ lbs. milk to a lb. cheese.

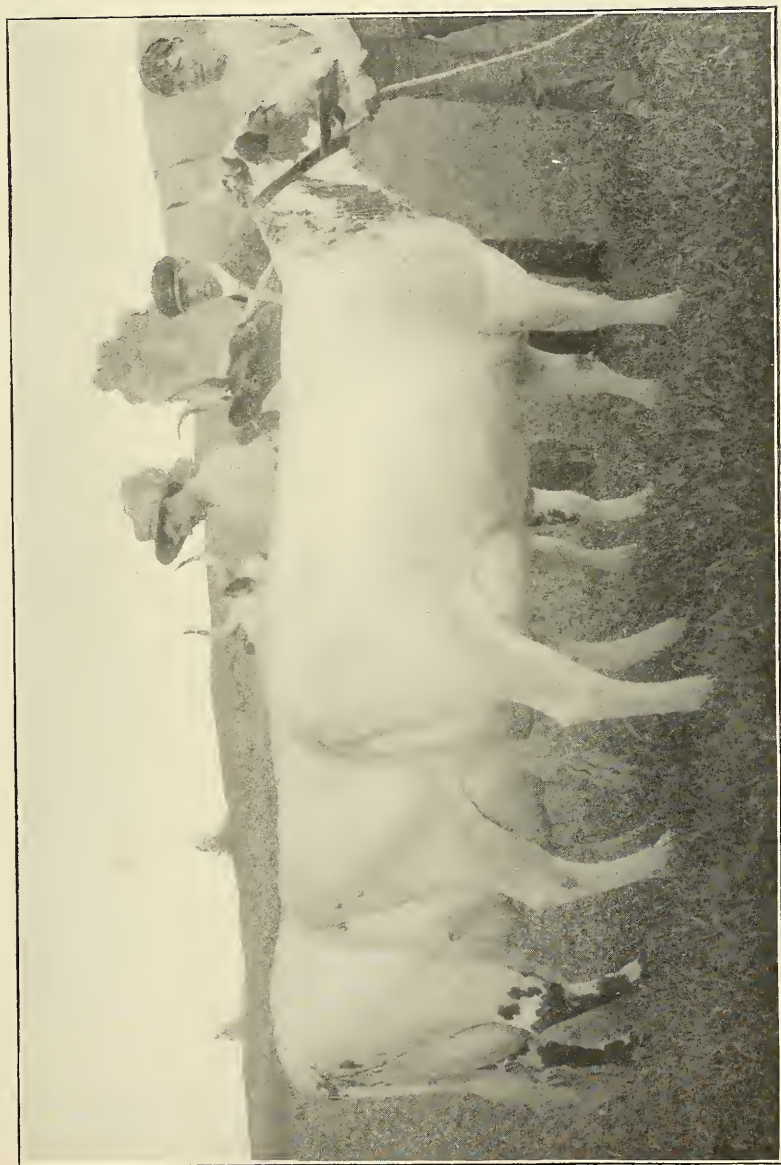
A New Hampshire breeder reports milk weighed daily for a year with an average of 5,942 lbs. per cow.

A Massachusetts herd reports daily weighing of milk for 15 years with an average of 5,597 lbs. per cow.

A Vermont herd reports daily weighing of milk for four years with an average of 6,015 lbs. per cow.

Another Vermont herd reports a daily weighing of milk for ten years with an average of 6,310 lbs. of milk per cow.

A New York herd reports daily weighing of milk for seven years with an average of 6,807 lbs. per cow.



ALTA CREST AYRSHIRES

Taking such of the above reports as have had the milk actually weighed, would give an average of 6,109 lbs. of milk from 614 cows, which might be called the average capacity of an Ayrshire cow at the present time, as far as known. The average yield for butter would be $221\frac{1}{3}$ lbs. per cow for a full year. I wish more of the owners of Ayrshires would weigh their milk and test their cows. I believe it pays amply for the time and trouble, both in the knowledge the owner has of his own herd and as a means of advertising. This is an age of records, and the public want to know what your cattle are doing by actual test. I also believe the printed reports of a herd presented to the public is a wonderful advertising card, especially at fairs. I know my rival at our Vermont State Fair (Mr. Drew) and myself have a thousand or so copies of our milk record on hand and keep a man stationed to give one to every one who comes along. The result is we sell a good many Ayrshires in our own State, and the demand is increasing. Our records are not particularly large, but I know my records, small as they are, have sold many cattle for me, and I think others who have tried it will tell the same. I had an interesting illustration of the value of a milk record this winter in making a sale of 12 head to go to Central America. Nearly a year ago I was in Rutland, and met a man from Central America who was looking for horses to take home with him. I gave him, at his request, all the information I could in regard to our Morgan horses, and then I asked him in regard to the cattle of his country and gradually introduced Ayrshires, and told him why I thought they would be just the breed for them to introduce, and gave him one of my milk records—I always intend to have a few about me. I bid him good-bye; he bought some Morgans, and that was the last I thought of him until I received a letter from a gentleman from Costa Rica, saying a friend of his had told him about my Ayrshires and showed him a record of my herd, and wanting to know the price, &c. The result was a sale, through Ellinger Bros., of 12 head and I laid it entirely to the story of the milk record, and I might illustrate

still more in the same line. I believe it pays to advertise, and let the world know what you have to sell.

C. M. WINSLOW, Sec'y,
Brandon, Vt.

February, 1891.

The above was the condition of the dairy publicity work some twenty years ago with scarcely any knowledge of the dairy ability of the Ayrshire cow even by the owner, and the most careful breeder simply keeping his herd in a common dairyman's manner with no extra attention or extra care.

I copy the above to show what has come to the breed from the awakening of the owners to the real worth of the Ayrshire cow when cared for in some measure as she ought to be, and for profit.

It is no wonder the Ayrshire cow was unknown, when the breeders themselves acknowledged they did not know what their cows were doing.

The average of the breed at that day compared with the average of today is both interesting and instructive.

The conditions were the same in the United States, Canada and Scotland, a wonderful cow naturally, but comparatively unknown, as to her dairy ability, a cow that needed only to be led out of obscurity into the light of publicity to place her second to none in public estimation. She has never been exploited or boomed, but has steadily made progress in the appreciation of the public, simply because every step of her progress has been backed up by actual merit.

ADVANCED REGISTRY.

The system of official testing lately established by the Association for recording cows that reach the prescribed standard, is doing much to place the Ayrshire cow in the front rank as a dairy cow.

The days for guessing how much a cow will produce in either milk or butter has passed, and what the public demands is official evidence of the reliability of all claims.

In order to develop the great ability of the Ayrshire cow, and to place her dairy records on a reliable basis, the Association has established a standard for milk and butter for the different ages up to maturity.

In order to qualify for advanced registry, the following classification and requirements are made:

All tests shall be for a year from the time of freshening, or until she shall become dry from that freshening.

If she should freshen within the year, the milk from the second freshening could not be included, and her year's record would include only the milk from the first freshening, and in no case could it run over 365 days from the start.

If she should lose her calf prematurely during the year, then the test must end there the same as though she had calved regularly, but if she shall have given sufficient milk and fat to qualify, she may be entered on that record.

CLASSIFICATION OF ANIMALS.

Cows from two to three years old shall be in a class known as the two-year-old form.

Cows from three to four years old shall be in a class known as the three-year-old form.

Cows from four to five years old shall be in a class known as the four-year-old form.

Cows above five years old shall be in a class known as the full-age form.

ELIGIBILITY OF BULLS.

No bull shall be admitted to Advanced Registry unless he shall have been previously recorded in the Ayrshire record.

a. A bull to be eligible to Advanced Registry shall be a typical Ayrshire bull in general appearance, shall scale 80 points and have two daughters in the Registry from different dams.

b. A bull may be admitted to Advanced Registry without physical qualifications, and without scaling, provided he has four daughters in the Advanced Registry from different dams.

ELIGIBILITY OF COWS.

No cow shall be admitted to Advanced Registry unless she shall have been previously recorded in the Ayrshire Record.

TWO-YEAR-OLD FORM.

Year's record. If her record begins the day she is two years old, or before that time, she shall, to entitle her to record, give not less than 6,000 pounds of milk in 365 consecutive days from the beginning of the test and 214.3 pounds of butter fat, and for each day she is over two years old at time of beginning the test there shall be added 1.37 pounds of milk to the 6,000 pounds and .06 pounds of butter fat to the 214.3 pounds.

THREE-YEAR-OLD FORM.

If her record begins the day she is three years old, she shall, to entitle her to record, give not less than 6,500 pounds of milk in 365 consecutive days from the beginning of the test and 236 pounds of butter fat, and for each day she is over three years old at the time of beginning the test there shall be added 2.74 pounds of milk to the 6,500 pounds and .12 pounds of butter fat to the 236 pounds, which addition shall be made in each succeeding form to maturity.

FOUR-YEAR-OLD FORM.

Year's record—7,500 pounds of butter and 279 pounds of butter fat.

MATURE FORM.

Year's record—8,500 pounds of milk and 322 pounds of butter fat.

PERIOD FOR MAKING TESTS.

All tests for a year shall be commenced as soon after calving as practicable, and shall not extend beyond 365 days from the commencement of the test, and in no case shall the test include the milk or butter fat from a second calving.

a. A cow may be entitled to as many registrations as her several tests qualify her for, even if they do not exceed previous records; also she may be entitled to a cumulative record of consecutive tests that qualify with an average of not more than fifteen months intervening between freshenings.

APPLICATION FOR TESTS.

An application for a test will not be accepted from a person who is not a member of the Ayrshire Breeders' Association. Application for intended tests should be made to the Secretary as long as possible before the desired time for beginning such tests in order to allow sufficient time to arrange with the Experiment Station of the State where the owner is located for supervision of the test.

In making application for a test, the owner should give sufficient evidence of the capability of the cow to qualify to warrant making the test.

METHOD OF CONDUCTING TESTS.

All tests shall be under the supervision of the Secretary and the Experiment Station of the State where the test is being made, or such persons as may be appointed by concurrence of Secretary and Station.

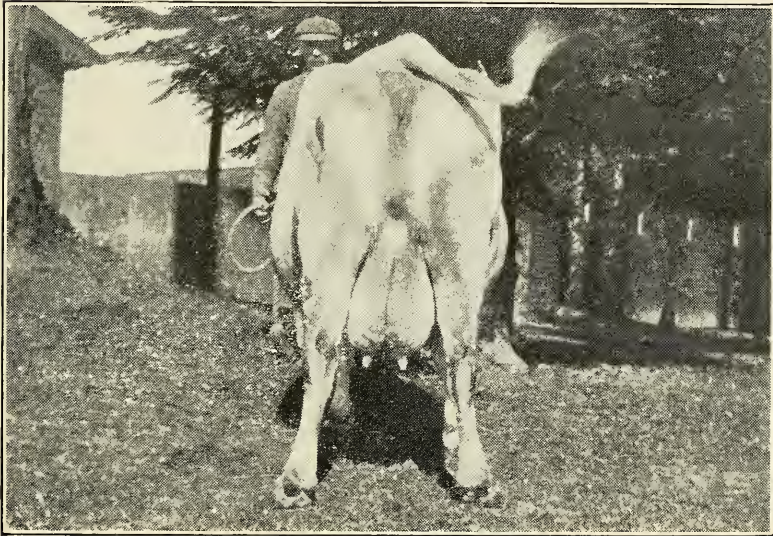
The owner shall weigh each milking from each cow being tested and keep a careful record of the same on blank forms furnished by the Secretary, and at the end of each month he shall add the amount of milk given by each cow and set it down in the column prepared for that purpose, and send the filled blank to the Secretary as soon as possible after the month is ended.

In addition to this, the Experiment Station will send an agent to the stable each month, to make a two days' test of the milk of each cow in the test, for quantity given at each milking during his visit and for the amount of butter fat in each sample.

He will also inspect the method of weighing and the daily record, compare the weights with those given during his visit and report the same to the Secretary. The milk record kept by the



LESSNESSOCK QUEEN KATE
Owned by P. Ryan, Brewster, N. Y.



NETHERHALL BROWNIE 9TH
World's Champion Ayrshire Cow, Owned by J. W. Clise, Redmond, Wash.
Mature class, 18,110 lbs. milk, 820.91 lbs. of fat, equal to 958 lbs. of
butter, with 4.53 per cent. fat.

owner of the cows being tested will be accepted as the record for the year, provided it agrees practically with that taken monthly by the agent.

The result of each cow's test shall be computed in the following manner: The weights of milk produced each month shall be multiplied by the per cent. of butter fat as shown by the official test for that month.

If it is desired to show the amount of commercial butter, it shall be obtained by the Experiment Station method of the addition of one-sixth, being on a basis of 85 per cent. of fat.

EXPENSE.

All the expense incurred by the Association in the employment of an Experiment Station's agent to conduct the test shall be divided equally between the Association and the member having the test made. It is expected that the member having the test made will, without charge, render such assistance as he is able to the agent, in conveyance to the railroad station and in entertainment while making the monthly test.

No fee is required for entering a cow for the test, but if she shall qualify, there is a fee of \$5.00 required for her entry into the advanced register.

There is also a fee of \$5.00 required for registering a bull that shall qualify.

A bull shall also be entitled to a new advanced registry for each time he shall qualify, under the above rule for eligibility, and a certificate will be issued stating the number of his get that have qualified up to date, and for each certificate there will be a charge of \$5.00.

While no charge is made for entering as many cows as the owner may wish to have tested, it is believed that the personal benefit to owners and breeders of Ayrshire cattle from demonstration of their individual superiority by properly authenticated milk and butter records made, gathered and preserved through this system, will warrant their paying \$5.00 each for the recording of such of their cows or bulls as shall qualify for advanced registry.

A record of merit for cow or bull places them before the public as superior animals, and these official records will be of great help to the intelligent breeder in breeding for the highest type in dairy production.

A record is kept in the office of the Association of every bull that has a daughter qualify, and at a glance it can be known how many of his daughters have qualified, the individual record of each in pounds of milk, fat, butter, and average per cent. of fat, also the total amount of the milk, fat, butter, and average per cent. of all his daughters that have been admitted to advanced registry.

The advantage of this is that prepotency of the bulls in siring dairy cows is easily learned, and if the same animal that is a great dairy sire, is also a typical bull in conformation it makes him doubly valuable as a sire.

The test is of especial value to every owner of a herd of cows, because it shows him the individuality of each cow in his herd in all her dairy points, milk, fat and per cent. of fat, thereby enabling him to dispose of his cows that do not show a high standard of production, both in quantity of milk and per cent. of fat.

It also is a guide in breeding, because by it he knows just where his cows are lacking in dairy production, and by referring to the list of advanced registry bulls he can select one whose get should build up his herd in their weak points.

Successful breeding is not done in a haphazard way, and sure and steady progress is only attained by the exercise of sound judgment and careful selection in coupling.

The Ayrshire cow as she stands today is most beautiful in conformation, in color, and general style, and is rightfully called the "Perfect Cow."

While there are a large number of Ayrshire cows that can rightfully claim the title of "Perfect Cow" both in conformation and dairy record there are a good many others that lack in one or both qualities. That the number of perfect cows may be increased until they shall be in the large majority, lies in the hands

of three factors, the breeder, the Ayrshire Breeders' Association, and the managers of fairs.

The breeder uses his utmost skill in the selection of the highest type of breeding stock, guided as to conformation by the scale of points laid down by the Association, then gives them the best of care, and enters them for the advanced registry test, which shows to him which are the best in his herd for dairy purposes and then he shows them at the fairs to obtain the verdict of expert decision in the ring as to whether or not he has made a success in producing the perfect cow.

The man in his breeding uses his own judgment, the Association in testing uses expert skill, and the judge in the ring should be able to place the awards on those animals that combine the summing up of breeding to the scale of points, and high official records.

It is very important that the Fair Associations employ as judges only men of the highest type of skill, sound judgment and strict integrity. The expert judge in the ring acts as the highest court of appeal. His decisions in the ring should be looked up to as authority, and should be a guide to the breeder, and educational to the on-looker.

Another important feature of the testing is the gathering from the breeders and the Experiment Station Agents, a report of all the food consumed by each cow together with the local cost of the same. It has always been claimed that the Ayrshire cow was a profitable cow, returning the largest possible amount of milk from the food consumed.

The returns we are getting are showing the Ayrshire cow to be a paying investment, and largely so.

The following extract from a letter recently received from a prominent breeder of Ayrshires is so much in line with one of the crying needs of breeders of all thoroughbred stock that I wish to insert it here and with emphasis.

"The importance of having expert judges at fairs whose decisions in the ring shall be educational is absolutely necessary to



AGED COW CLASS
National Dairy Show, 1911

the encouragement of breeders in producing the highest type of any breed as laid down in their scale of points for that breed."

It is universally admitted now that no other breed of cattle in the world is so perfect and uniform in type as the Ayrshires, and several of our leading breeders have already demonstrated that beautiful form in no way hinders great milk capacity (the cow, Netherhall Brownie 13th, is a beautiful animal to look upon, and she is also a great milk producer) in fact, there are numerous cows in the country today that delight the eye, and fill the pail as well, and it is of the utmost importance to Ayrshire breeders to stick to these beautiful types and have them in mind in all their breeding operations. The future will bring them abundant reward.

The most difficult problem today which confronts our Association is to find judges who have sufficient inherited skill and general capacity to judge correctly in the show ring.

Many of our breeders feel that fairs and show rings should more clearly define the conditions of the competition. Is it to be for beautiful form alone, or should milk inheritance be also considered, and if so, how many points are to be allowed for each?

These suggestions are mentioned for breeders' careful thought and consideration at our next annual meeting.

ADVANCED REGISTRY.

A complete list of all advanced registry tests to date.

TWO YEAR OLD FORM

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
24720	Hazel of Sand Hill, 325....	11,078	627.13	732	5.66
	Owned by S. S. Karr & Son, Almond, N. Y.				
25297	Polly Puss 2d, 354.....	11,060	461.33	538	4.17
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26039	Kaziah of Highland, 307....	10,970	425.47	497	3.88
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26585	Finlayston's Ithan, 350.....	10,910	494.91	577	4.53
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26582	Ithan 5th, 355	10,398	436.95	510	4.20
	Owned by John R. Valentine, Bryn Mawr, Pa.				
27977	Imp. Trixie of Torr, 500 .	10,157	392.76	458	3.86
	Owned by John R. Valentine, Bryn Mawr, Pa.				
25748	Canary Bell, 474	10,092	371.81	434	3.68
	Owned by Kansas State Agr'l College, Manhattan, Kan.				
20688	Cowslip of Maple Ridge, 476.	10,081	373.07	425	3.70
	Owned by Friends' Asylum, Frankford, Pa.				
28061	Flora of Hillview, 465....	10,046	416.42	486	4.14
	Owned by Hart Wallace, Shelbyville, Ky.				
25739	Mosshawk of Hillview. 464.	10,032	392.89	458	3.92
	Owned by Hart Wallace, Shelbyville, Ky.				
26584	Finlayston's Firefly, 375....	9,933	421.54	492	4.25
	Owned by John R. Valentine, Bryn Mawr, Pa.				
27548	Imp. Hobsland Miss Pan, 506	9,914	334.87	391	3.38
	Owned by P. Ryan, Brewster, N. Y.				
25843	Maggie of Hillview, 560....	9,816	371.57	434	3.79
	Owned by Hart Wallace, Shelbyville, Ky.				
23997	Madonna Lass 4th, 234.....	9,786	428.77	500	4.39
	Owned by Hill Top Farm, Wheeling, W. Va.				
21849	Baby Douglas, 71.....	9,652	376.54	439	3.90
	Owned by Hill Top Farm, Wheeling, W. Va.				
25293	Finlayston's Fern, 238.....	9,615	378.65	442	3.94
	Owned by John R. Valentine, Bryn Mawr, Pa.				
24282	Willowmoor Bonnie Lass, 305	9,488	326.94	381	3.45
	Owned by J. W. Clise, Redmond, Wash.				
19748	Queen 2d of Barclay, 58....	9,486	364.59	425	3.84
	Owned by J. W. Clise, Redmond, Wash.				
24717	Blanche of Sand Hill, 324...	9,435	389.37	454	4.13
	Owned by S. S. Karr & Son, Almond, N. Y.				
21695	Mabelle of Highland, 232..	9,422	356.79	416	3.77
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26014	Megsy Tipperlin 3d, 331....	9,312	345.12	403	3.7
	Owned by John R. Valentine, Bryn Mawr, Pa.				
24673	Nether Craig Spicy Queen, 240	9,267	441.75	515	4.77
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
22269	Lily of Willowmoor, 299....	9,211	349.02	407	3.79
	Owned by J. W. Clise, Redmond, Wash.				
26993	Daisy Verbank 2d, 282.....	9,196	341.81	399	3.72
	Owned by Hill Top Farm, Wheeling, W. Va.				
21337	Gazelle Melrose, 168	9,194	355.69	415	3.85
	Owned by W. V. Probasco, Cream Ridge, N. J.				

TWO YEAR OLD FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
24265	Eugenie S. 2d, 515.....	9,177	347.27	405	3.78
	Owned by Friends' Asylum, Frankford, Pa.				
24370	Skylands Maid, 360.....	9,108	348.60	407	3.83
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
24849	White Pride, 430	9,077	347.02	405	3.82
	Owned by J. W. Clise, Redmond, Wash.				
23019	Molly of Bell Farm, 236....	9,038	327.98	383	3.63
	Owned by Charles J. Bell, Hollis, N. H.				
25740	Lucy of Hillview, 466.....	8,889	356.06	415	4.01
	Owned by Hart Wallace, Shelbyville, Ky.				
17904	Bessie of Rosemont, 44.....	8,835	371.47	433	4.22
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
26292	Elizabeth of Juneau, 523....	8,828	307.52	359	3.48
	Owned by Kansas State Agr'l College, Manhattan, Kan.				
28262	Netherhall Brownie 18th, 496	8,826	361.75	421	4.1
	Owned by J. W. Clise, Redmond, Wash.				
21259	Bell Ayer 2d, 237.....	8,819	402.64	470	4.57
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26160	Lucy Air, 564	8,769	355.35	415	4.05
	Owned by Friends' Asylum, Frankford, Pa.				
21754	Felicia of Highland, 176....	8,767	344.27	402	3.93
	Owned by John R. Valentine, Bryn Mawr, Pa.				
22474	Grace of Sand Hill, 59.....	8,698	343.37	401	3.95
	Owned by S. S. Karr & Son, Almond, N. Y.				
21852	Douglas Cordelia, 79.....	8,649	298.36	348	3.45
	Owned by Hill Top Farm, Wheeling, W. Va.				
17892	Letta Lind of Radnor, 81....	8,602	382.42	446	4.4
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
23705	Miss Luna's Leap Year Belle, 504	8,585	338.56	395	3.94
	Owned by P. Ryan, Brewster, N. Y.				
26992	Addington Queen 2d, 281....	8,574	328.43	382	3.83
	Owned by Hill Top Farm, Wheeling, W. Va.				
25103	Ithan 4th, 228	8,563	330.81	386	3.86
	Owned by John R. Valentine, Bryn Mawr, Pa.				
25088	Statesman's Hilda, 482.....	8,549	403.46	471	4.72
	Owned by H. C. Groome, Warrenton, Va.				
17893	Clotilde of Rosemont, 70....	8,548	322.38	376	3.77
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
20368	Beulah M., 169	8,516	356.51	416	4.19
	Owned by S. S. Karr & Son, Almond, N. Y.				
24312	Cornelia Jerome, 491.....	8,510	342.44	400	4.02
	Owned by A. F. Spooner, Richville, N. Y.				
18696	Snowflight of Radnor, 73....	8,505	347.62	406	4.09
	Owned by J. W. Clise, Redmond, Wash.				
23548	McAlister's Betty, 223.....	8,492	356.29	416	4.2
	Owned by Percival Roberts, Jr., Narberth, Pa.				
28062	Garland of Hillview, 467....	8,434	350.18	407	4.15
	Owned by Hart Wallace, Shelbyville, Ky.				
27266	Maggie of Sand Hill, 440....	8,388	377.57	439	4.5
	Owned by S. S. Karr & Son, Almond, N. Y.				
20880	Mina 3d of Radnor, 163....	8,349	382.04	446	4.58
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				



CROFTJANE DINAH 19TH, 19520
Owned by Mrs. F. D. Erhardt, West Berlin, Vt.



NETHERHALL GOOD TIME, 11447
Owned by Branford Farms, Groton, Conn.

TWO YEAR OLD FORM—*Continued.*

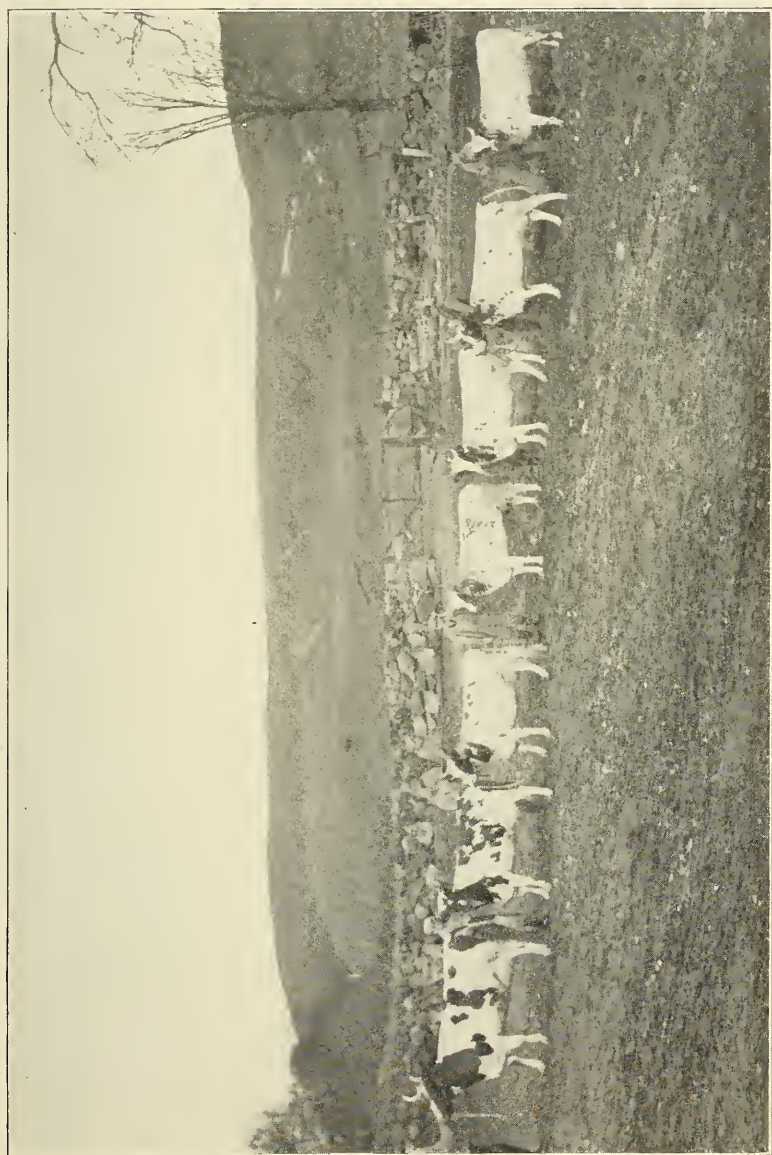
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
25665	King's Mayflower, 551..... Owned by A. F. Spooner, Richville, N. Y.	8,346	373.83	436	4.48
24481	Lenetta Barcheskie, 505..... Owned by P. Ryan, Brewster, N. Y.	8,346	270.16	316	3.24
25743	Floe of Hillview, 563..... Owned by Hart Wallace, Shelbyville, Ky.	8,328	337.88	394	4.06
26157	May Hebron 2d, 308..... Owned by M. J. Karr & Son, Almond, N. Y.	8,312	312.63	365	3.76
19756	White Lola, 75 Owned by J. W. Clise, Redmond, Wash.	8,282	296.14	346	3.58
23021	Madge of Bell Farm, 318.... Owned by C. J. Bell, Hollis, N. H.	8,229	317.61	371	3.86
23323	Matie of Sand Hill, 164..... Owned by S. S. Karr & Son, Almond, N. Y.	8,212	349.56	408	4.26
16700	Floe, 23 Owned by W. V. Probasco, Cream Ridge, N. J.	8,201	346.90	405	4.23
19754	Bonnie 2d of Radnor, 41.... Owned by J. W. Clise, Redmond, Wash.	8,184	339.55	396	4.15
27313	Howie's Rosalie, 577 Owned by J. W. Ogden, Morristown, N. J.	8,163	292.24	341	3.59
26101	Sunnyside Nora 2d, 413.... Owned by J. W. Ogden, Morristown, N. J.	8,104	327.48	382	4.04
25552	Carrie's Sunbeam, 458..... Owned by Friends' Asylum, Frankford, Pa.	8,068	322.35	376	4.
26159	Pansy Earl, 283 Owned by M. J. Karr & Son, Almond, N. Y.	8,060	359.48	420	4.46
18687	Francis of Barclay, 57..... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	8,047	345.64	403	4.3
24922	Lady Earl, 284 Owned by Friends' Asylum, Frankford, Pa.	8,034	353.69	413	4.4
25148	Flossy J., 389 Owned by Friends' Asylum, Frankford, Pa.	8,030	298.65	348	3.72
23996	Maud Douglas, 239 Owned by Hill Top Farm, Wheeling, W. Va.	8,011	278.20	325	3.47
27035	Pink Ayer of Sunnyside, 522 Owned by C. W. Lewis & Sons, Alfred Station, N. Y.	7,996	276.25	322	3.45
21694	Eunie of Highland, 172.... Owned by John R. Valentine, Bryn Mawr, Pa.	7,988	349.64	408	4.38
21109	Crimson Rambler, 61..... Owned by Geo. F. Stone, Littleton, Mass.	7,988	277.56	324	3.47
28574	Mina H., 471 Owned by A. A. Hunnewell, New Gloucester, Me.	7,981	279.98	327	3.51
27311	Howie's Dandy Jean, 480.... Owned by J. W. Ogden, Morristown, N. J.	7,963	347.70	406	4.37
23871	Chapelhill Bully, 162..... Owned by J. W. Clise, Redmond, Wash.	7,962	299.13	349	3.76
23929	Fleet Fizzaway, 341 Owned by J. F. Converse, Woodville, N. Y.	7,927	313.50	366	3.96
20613	Queen of Seattle, 65..... Owned by J. W. Clise, Redmond, Wash.	7,896	318.12	371	4.03
20366	Isabella of Sand Hill, 50.... Owned by S. S. Karr & Son, Almond, N. Y.	7,887	323.15	377	4.09
24833	Douglas Daisy Queen, 161.... Owned by Hill Top Farm, Wheeling, W. Va.	7,886	279.42	326	3.54

TWO YEAR OLD FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
24709	White Rose Barcheskie, 503. Owned by P. Ryan, Brewster, N. Y.	7,859	314.43	367	4.
20902	Dorinda, 167 Owned by Henry Dorrance, Plainfield, Conn.	7,855	302.77	353	3.85
21250	Princess of Highland 2d, 77. Owned by John R. Valentine, Bryn Mawr, Pa.	7,795	316.96	370	4.07
23551	Lady Quality, 225..... Owned by Percival Roberts, Jr., Narberth, Pa.	7,792	319.11	372	4.1
20511	Rose Eaton, 80 Owned by C. M. Winslow, Brandon, Vt.	7,783	277.98	324	3.57
18690	Lilac of Radnor, 43..... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	7,778	305.30	356	3.92
17430	Petrina of Woodview, 22... Owned by W. V. Probasco, Cream Ridge, N. J.	7,776	344.78	402	4.44
27763	First Quarter, 510 Owned by A. B. McConnell & Sons, Wellington, Ohio.	7,763	350.78	409	4.52
26016	Monarch's White Lily, 400.. Owned by Ashley Farm, Media, Pa.	7,749	339.98	397	4.39
26447	Pride of Wind Crest Farm, 449 Owned by W. S. Cramton, No. Clarendon, Vt.	7,749	289.72	338	3.74
27208	Madonna's Dandy, 214..... Owned by P. Ryan, Brewster, N. Y.	7,721	305.21	356	3.95
22473	Ruth of Sand Hill, 69..... Owned by S. S. Karr & Son, Almond, N. Y.	7,699	309.29	361	4.02
26290	Johanah of Juneau, 473.... Owned by Kansas State Agr'l College, Manhattan, Kan.	7,687	291.77	340	3.79
23774	Bell of Hill View, 348..... Owned by A. B. McConnell & Sons, Wellington, Ohio.	7,678	318.26	371	4.14
23322	Dora of Sand Hill, 166..... Owned by S. S. Karr & Son, Almond, N. Y.	7,622	312.89	365	4.1
25492	Mahoning Bell, 423..... Owned by Hill Top Farm, Wheeling, W. Va.	7,617	307.40	359	4.04
23927	Princess Fizzaway Owned by J. F. Converse, Woodville, N. Y.	7,602	296.40	346	3.90
26990	Douglas Baby, 356 Owned by Hill Top Farm, Wheeling, W. Va.	7,599	314.22	367	4.14
17900	Buttercup of Rosemont, 55.. Owned by Geo. H. McFadden, Bryn Mawr, Pa.	7,584	304.38	355	4.01
15364	Lizzie Muriel, 20 Owned by C. M. Winslow, Brandon, Vt.	7,583	288.98	337	3.81
27903	Viola Lind, 469 Owned by Hill Top Farm, Wheeling, W. Va.	7,546	303.37	354	4.02
27315	Grange Firefly, 578 Owned by J. W. Ogden, Morristown, N. J.	7,535	303.79	354	4.03
26155	Marigold T., 332 Owned by S. S. Karr & Son, Almond, N. Y.	7,503	331.89	387	4.42
19615	Myrtle K., 49 Owned by Walter D. Turner, Moretown, Vt.	7,497	250.10	292	3.34
27342	Imp. Straith Lady Laurie, 553 Owned by Cornell University, Ithaca, N. Y.	7,454	296.55	346	3.98
24581	Crimson Miss, 285 Owned by Geo. F. Stone, Littleton, Mass.	7,440	313.60	366	4.21

TWO YEAR OLD FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
27358	Imp. Foulton Primrose, 554. Owned by H. W. Pardey, Segreganset, Mass.	7,439	315.42	368	4.24
26941	Soon, 429 Owned by W. V. Probasco, Cream Ridge, N. J.	7,434	303.8	354	4.09
24178	Eve of Spring Hill 2d, 304.. Owned by C. A. Griscom, Haverford, Pa.	7,415	328.49	383	4.43
13688	Rose Dolman, 21 Owned by C. M. Winslow, Brandon, Vt.	7,409	270.65	316	3.65
27970	Tilly Tibbie of Torr, 468... Owned by John R. Valentine, Bryn Mawr, Pa.	7,390	275.77	322	3.73
21763	Jerusha of Bell Farm, 173.. Owned by Chas. J. Bell, Hollis, N. H.	7,380	280.33	327	3.66
25398	Willowmoor Happy Girl, 427 Owned by J. W. Clise, Redmond, Wash.	7,371	301.68	352	4.09
21246	Kitty K. 3d, 68 Owned by John R. Valentine, Bryn Mawr, Pa.	7,364	329.18	384	4.47
24261	Hazel of Stanley, 361 Owned by C. A. Griscom, Haverford, Pa.	7,337	290.45	339	3.96
23164	Phoebe of Hillview, 346.... Owned by W. W. Blake Arkcoll, Paoli, Pa.	7,311	307.49	359	4.2
20365	Bessie of Sand Hill, 52.... Owned by S. S. Karr & Son, Almond, N. Y.	7,307	321.97	376	4.41
23931	Enid Fizzaway, 411 Owned by J. F. Converse, Woodville, N. Y.	7,304	305.77	357	4.19
27262	Emma Clyde, 499 Owned by S. S. Karr & Son, Almond, N. Y.	7,280	334.71	390	4.6
22134	Lilac 3d of Radnor, 219.... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	7,220	337.37	394	4.7
24467	Princess C. 2d, 561..... Owned by Hart Wallace, Shelbyville, Ky.	7,218	280.52	327	3.89
24721	Eliza T., 326 Owned by S. S. Karr & Son, Almond, N. Y.	7,216	317.36	370	4.4
20901	Hilda Fryer, 171 Owned by Henry Dorrance, Plainfield, Conn.	7,202	272.52	318	3.78
18262	Myrtle Kilbowie, 60 Owned by C. M. Winslow, Brandon, Vt.	7,199	280.81	328	3.90
28055	Daisy Hebron of Almond, 488 Owned by M. J. Karr & Son, Almond, N. Y.	7,178	308.49	360	4.29
18253	Sibyl Corslet, 47 Owned by C. M. Winslow, Brandon, Vt.	7,170	271.60	317	3.78
17432	Megsy Tipperlin, 76 Owned by W. V. Probasco, Cream Ridge, N. J.	7,117	272.50	318	3.83
15029	Rose Brodick, 26 Owned by C. M. Winslow, Brandon, Vt.	7,117	266.76	311	3.74
27265	Anna T., 439 Owned by S. S. Karr & Son, Almond, N. Y.	7,114	319.37	375	4.49
20180	Bell Ayer, 56 Owned by John R. Valentine, Bryn Mawr, Pa.	7,111	309.71	361	4.36
27418	Lena Brown, 529 Owned by A. F. Spooner, Richville, N. Y.	7,106	280.19	327	3.94
20182	Starlass, 175 Owned by John R. Valentine, Bryn Mawr, Pa.	7,095	268.08	313	3.78



RYANOQUE AYRSHIRES

TWO YEAR OLD FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
22763	Crimson Maid, 160	7,090	290.48	339	4.1
	Owned by Geo. F. Stone, Littleton, Mass.				
23018	Maria of Bell Farm, 229....	7,088	257.36	301	3.63
	Owned by C. J. Bell, Hollis, N. H.				
27036	Beauty Armour of Sunnyside, 521	7,082	266.45	311	3.76
	Owned by C. W. Lewis & Sons, Alfred Station, N. Y.				
18249	Oshawa Lady 2d, 78.....	7,074	298.67	349	4.22
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26480	June Lassie, 409	7,067	282.59	330	4.
	Owned by Hill Top Farm, Wheeling, W. Va.				
27316	Hindsward Pretty Nancy, 580	7,064	256.69	299	3.63
	Owned by J. W. Ogden, Morristown, N. J.				
24281	Willowmoor Marjory Doug- lass, 286	7,061	244.58	285	3.46
	Owned by J. W. Clise, Redmond, Wash.				
17431	Felicia of Woodview, 64....	7,048	279.46	326	3.97
	Owned by W. V. Probasco, Cream Ridge, N. J.				
26491	Hattie of Wind Crest, 397..	7,029	262.74	307	3.74
	Owned by W. S. Cramton, Rutland, Vt.				
28502	Flossie of Penshurst, 443..	7,016	269.37	314	3.84
	Owned by Percival Roberts, Jr., Narberth, Pa.				
27902	Queen Becky, 508	6,964	292.01	341	4.2
	Owned by Hill Top Farm, Wheeling, W. Va.				
28503	Wee Jenny's Beauty, 446....	6,963	283.23	330	4.07
	Owned by Percival Roberts, Jr., Narberth, Pa.				
21247	Rena Ayer, 72	6,929	306.72	357	4.42
	Owned by John R. Valentine, Bryn Mawr, Pa.				
20876	Spotted Lola, 165	6,924	289.18	337	4.18
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
24007	Daisy Jewess 4th, 227.....	6,923	244.85	286	3.54
	Owned by Hill Top Farm, Wheeling, W. Va.				
26943	Marcia Ayer, 452	6,912	283.8	331	4.11
	Owned by W. V. Probasco, Cream Ridge, N. J.				
24821	Magnolia B., 327	6,901	245.33	286	3.55
	Owned by Chas. J. Bell, Hollis, N. H.				
18695	May Rose of Radnor, 39....	6,898	288.86	337	4.14
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
25369	Melba of Bell Farm, 358....	6,874	241.60	283	3.52
	Owned by Chas. J. Bell, Hollis, N. H.				
24789	Mattie Avondale, 481.....	6,866	237.77	277	3.46
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
24264	Daisy Belle, 402	6,859	289.77	338	4.22
	Owned by C. A. Griscom, Haverford, Pa.				
29121	Winnie K. 2d, 412.....	6,848	310.42	362	4.54
	Owned by W. V. Probasco, Cream Ridge, N. J.				
25549	Betty of Hillview, 391.....	6,842	293.65	343	4.29
	Owned by P. Ryan, Brewster, N. Y.				
22128	Francis 2d of Barclay, 230..	6,819	269.54	314	3.95
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
26940	Queen Aileen, 456	6,784	281.29	328	4.15
	Owned by W. V. Probasco, Cream Ridge, N. J.				

TWO YEAR OLD FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
24881	Burnside Nora 3d, 287..... Owned by J. W. Clise, Redmond, Wash.	6,784	273.73	319	4.04
24719	Mable of Sand Hill, 218.... Owned by S. S. Karr & Son, Almond, N. Y.	6,765	274.66	320	4.06
15242	Katy Did, 19 Owned by W. V. Probasco, Cream Ridge, N. J.	6,760	280.44	327	4.15
19936	Ruby Russell 3d, 66..... Owned by Henry Dorrance, Plainfield, Conn.	6,760	246.17	287	3.63
26047	Little Bell of Sunnyside, 340 Owned by C. W. Lewis & Sons, Alfred Station, N. Y.	6,759	277.28	323	4.1
24286	Willowmoor Princess Lily, 426 Owned by J. W. Clise, Redmond, Wash.	6,759	249.72	291	3.69
25759	Emblem's Pure Gold, 539.... Owned by Chas. J. Bell, Hollis, N. H.	6,751	231.92	271	3.43
17505	Miss Kilbowie, 31..... Owned by C. M. Winslow, Brandon, Vt.	6,751	238.31	278	3.53
26156	Cora T. 7th, 333..... Owned by S. S. Karr & Son, Almond, N. Y.	6,734	299.59	350	4.46
27312	Howie's Duchess, 576..... Owned by J. W. Ogden, Morristown, N. J.	6,704	283.89	331	4.23
24284	Willowmoor White Beauty, 288 Owned by J. W. Clise, Redmond, Wash.	6,699	246.60	288	3.68
15036	Muriel Fox, 28 Owned by C. M. Winslow, Brandon, Vt.	6,685	263.86	308	3.94
24005	Douglas Daisy 2d, 222..... Owned by Hill Top Farm, Wheeling, W. Va.	6,661	261.03	305	3.92
17453	Pearl Douglas, 54 Owned by Howard Cook, Beloit, Ohio.	6,606	271.72	317	4.11
24716	Cora T. 6th, 221..... Owned by S. S. Karr & Son, Almond, N. Y.	6,602	276.80	323	4.19
20883	Mosshawk 2d of Hindsward, 233 Owned by Percival Roberts, Jr., Narberth, Pa.	6,595	287.78	336	4.36
26154	Dew Blossom, 366 Owned by M. J. Karr & Son, Almond, N. Y.	6,594	287.78	336	4.36
24257	Bertha's Dewdrop, 362..... Owned by C. A. Griscom, Haverford, Pa.	6,573	270.15	315	4.11
23542	Royal Lily, 231 Owned by Percival Roberts, Jr., Narberth, Pa.	6,568	291.15	340	4.43
21254	Colonel's Daughter, 174..... Owned by John R. Valentine, Bryn Mawr, Pa.	6,565	255.64	298	3.9
23545	Speckled Beauty, 226..... Owned by Percival Roberts, Jr., Narberth, Pa.	6,564	261.04	305	3.98
17511	Rose Claymore, 53..... Owned by C. M. Winslow, Brandon, Vt.	6,542	268.52	313	4.1
23321	Cora T. 5th, 170..... Owned by S. S. Karr & Son, Almond, N. Y.	6,530	271.79	317	4.16
20614	Mayflower of Seattle, 62.... Owned by J. W. Clise, Redmond, Wash.	6,496	250.01	292	3.85
25517	Spot of Beech Hill, 477.... Owned by C. J. Bell, Hollis, N. H.	6,494	248.21	290	3.82
17094	Dolly Fryer 2d, 67..... Owned by Henry Dorrance, Plainfield, Conn.	6,485	256.16	299	3.95

TWO YEAR OLD FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
26235	Columbia Douglas Majestic 518	6,447	245.77	287	3.81
	Owned by Missouri Agr'l College, Columbia, Mo.				
27361	Fizzaway Kate, 483.....	6,432	277.78	324	4.32
	Owned by J. F. Converse, Woodville, N. Y.				
22132	Maggie Finlayston, 235.....	6,427	274.04	320	4.26
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
22924	Columbia Fizzaway, 224.....	6,419	263.04	307	4.1
	Owned by Missouri Agr'l College, Columbia, Mo.				
24280	Willowmoor White Lola, 289	6,355	244.09	285	3.84
	Owned by J. W. Clise, Redmond, Wash.				
19753	Ruth 2d of Barclay, 46.....	6,338	299.30	349	4.72
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
16672	Ruby Douglas, 29	6,321	251.75	294	3.98
	Owned by Howard Cook, Beloit, Ohio.				
26922	Kate Lewis, 478	6,295	235.95	276	3.75
	Owned by Chas. J. Bell, Hollis, N. H.				
20179	Oshawa Lass of Highland 2d 74	6,281	263.51	307	4.18
	Owned by John R. Valentine, Bryn Mawr, Pa.				
26018	Sterling Lady, 401	6,259	266.16	310	4.25
	Owned by Ashley Farm, Media, Pa.				
26921	Catherine, 479	6,256	248.50	290	3.97
	Owned by Chas. J. Bell, Hollis, N. H.				
18252	Rose Aileen, 51	6,256	216.49	253	3.46
	Owned by C. M. Winslow, Brandon, Vt.				
28056	Mary Hebron, 451	6,222	236.	275	3.8
	Owned by M. J. Karr & Son, Almond, N. Y.				
24373	Skylands Marvella, 364.....	6,155	270.07	315	4.39
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
27364	Minnie Fizzaway 2d, 568...	6,135	241.91	282	3.93
	Owned by J. F. Converse, Woodville, N. Y.				
15026	Rose Clockston, 27	6,135	214.	244	3.49
	Owned by C. M. Winslow, Brandon, Vt.				
15038	Rose Foxglove, 25.....	6,128	243.12	284	3.97
	Owned by C. M. Winslow, Brandon, Vt.				
15033	Lulu Avondale, 24	6,122	257.53	300	4.21
	Owned by C. M. Winslow, Brandon, Vt.				
25056	May of Hillcroft, 432.....	6,114	258.86	302	4.24
	Owned by Matthew Hannah, Brownsville, Vt.				
19746	Mosshawk of Barclay, 63..	6,086	256.60	299	4.22
	Owned by J. W. Clise, Redmond, Wash.				
25370	Minnie of Bell Farm, 376..	6,085	214.86	251	3.53
	Owned by Chas. J. Bell, Hollis, N. H.				
23549	Lady's Princess, 220.....	6,044	259.75	303	4.23
	Owned by Percival Roberts, Jr., Narberth, Pa.				
27243	Lily Glenwood, 408	6,034	251.69	294	4.17
	Owned by Geo. F. Stone, Littleton, Mass.				
20615	Blossom of Seattle, 38.....	6,027	255.98	299	4.24
	Owned by J. W. Clise, Redmond, Wash.				
17507	Rose Crashaw, 45	5,995	230.34	269	3.84
	Owned by C. M. Winslow, Brandon, Vt.				



GENEVIEVE F. 2ND
Owned by P. Ryan, Brewster, N. Y.



BERWINE
Owned by Dudley Wells, Wetherfield, Conn.
Mature Class. 13,261 lbs. of milk, 449.66 lbs. of fat, equal to 525 lbs.
of butter with 3.39% fat.

TWO YEAR OLD FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
18264	Muriel Girl, 42	5,914	243.96	285	4.13
	Owned by C. M. Winslow, Brandon, Vt.				
15035	Rose Ascott, 30	5,621	208.11	243	3.72
	Owned by C. M. Winslow, Brandon, Vt.				
18043	Lady Wonder 4th, 48.....	5,606	210.45	246	3.74
	Owned by C. M. Winslow, Brandon, Vt.				
17512	Florine Corslet, 40	5,504	214.60	250	3.9
	Owned by C. M. Winslow, Brandon, Vt.				

THREE YEAR OLD FORM

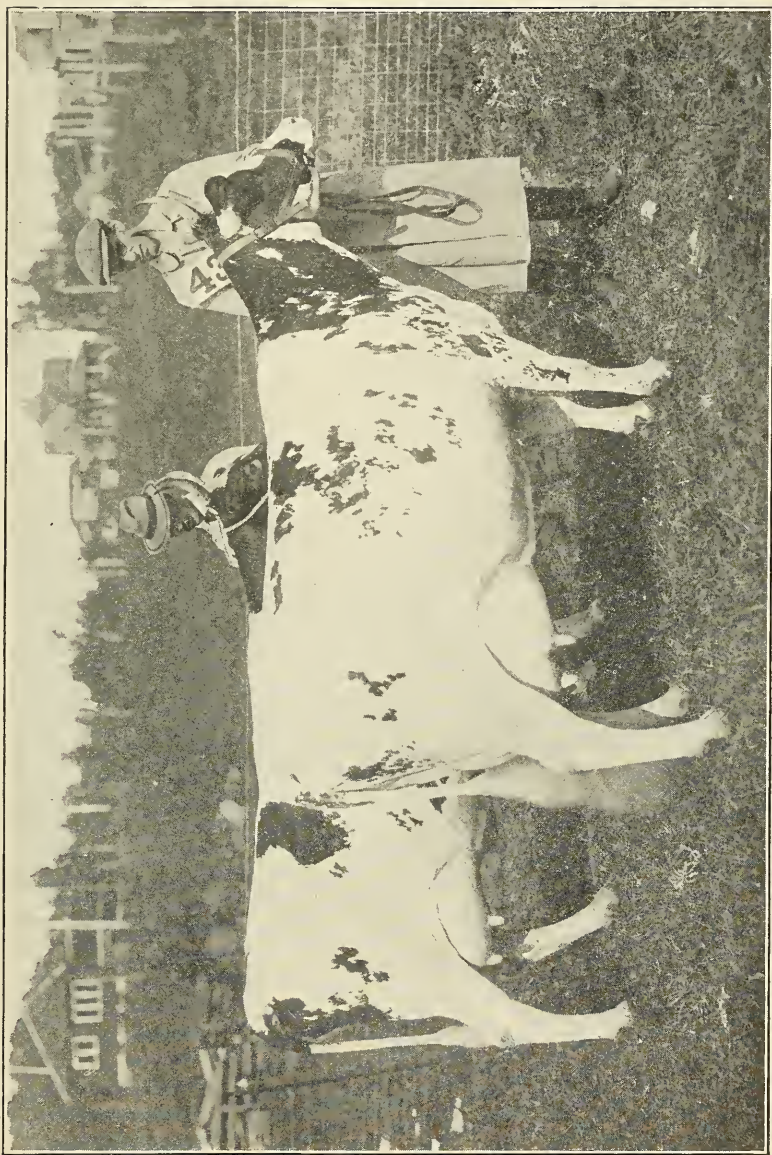
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
23584	McAlister's Betty, 223 (2d entry)	14,208	581.41	678	4.09
	Owned by Percival Roberts, Jr., Narberth, Pa.				
23323	Matie of Sand Hill, 164 (2d entry)	13,897	593.16	692	4.32
	Owned by S. S. Karr & Son, Almond, N. Y.				
26582	Ithan 5th, 355 (2d entry) ..	13,180	558.07	651	4.24
	Owned by John R. Valentine, Bryn Mawr, Pa.				
24719	Mable of Sand Hill, 218 (2d entry)	12,857	501.06	585	3.87
	Owned by S. S. Karr & Son, Almond, N. Y.				
22269	Lily of Willowmoor, 299 (2d entry)	12,730	479.56	561	3.77
	Owned by J. W. Clise, Redmond, Wash.				
24176	Bernice Clyde, 323	12,505	529.36	618	4.23
	Owned by S. S. Karr & Son, Almond, N. Y.				
27784	Little Rose Drummond, 572..	12,423	408.68	477	3.29
	Owned by F. W. Spalding, Poultney, Vt.				
26013	Keepsake 2d, 330	12,235	534.38	623	4.37
	Owned by John R. Valentine, Bryn Mawr, Pa.				
25295	Rena Ross 2d, 438.....	12,046	467.8	546	3.88
	Owned by John R. Valentine, Bryn Mawr, Pa.				
23010	Dorothy of Orono, 526.....	11,463	415.71	485	3.63
	Owned by University of Maine, Orono, Me.				
21255	Curfew Bell, 180	11,181	502.99	587	4.5
	Owned by John R. Valentine, Bryn Mawr, Pa.				
27958	Imp. White Heather of Torr, 507	10,887	449.58	525	4.13
	Owned by John R. Valentine, Bryn Mawr, Pa.				
24004	Miss Nox 2d, 416.....	10,791	418.03	488	3.98
	Owned by Hill Top Farm, Wheeling, W. Va.				
22652	Drummond's Gem, 187.....	10,746	359.38	419	3.34
	Owned by Hill Top Farm, Wheeling, W. Va.				
24281	Willowmoor Marjory Douglas, 268 (2d entry)	10,617	361.31	422	3.4
	Owned by J. W. Clise, Redmond, Wash.				
21850	Madonna Lass 3d, 185.....	10,467	429.85	501	4.1
	Owned by Hill Top Farm, Wheeling, W. Va.				

THREE YEAR OLD FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
19490	Jennie of Sand Hill, 188....	10,160	437.16	510	4.3
	Owned by S. S. Karr & Son, Almond, N. Y.				
26014	Megsy Tipperlin 3d, 331 (2d entry)	10,126	381.65	445	3.77
	Owned by John R. Valentine, Bryn Mawr, Pa.				
19833	Sweet Josie, 98	10,103	406.90	475	4.02
	Owned by J. W. Clise, Redmond, Wash.				
22563	Queen Ester, 247	9,998	330.48	386	3.3
	Owned by H. C. Groome, Warrenton, Va.				
24304	Blae Bluid, 552	9,962	407.71	476	4.1
	Owned by A. F. Spooner, Richville, N. Y.				
22419	Norwood Model, 280	9,867	336.57	393	3.41
	Owned by J. W. Ogden, Morristown, N. J.				
24674	Auchenbrain Favorite Beauty, 6th, 242	9,842	469.43	548	4.77
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
25367	Josie of Bell Farm, 329.....	9,831	347.61	406	3.54
	Owned by Chas. J. Bell, Hollis, N. H.				
19487	Midget of Sand Hill, 89....	9,824	361.44	422	3.69
	Owned by S. S. Karr & Son, Almond, N. Y.				
23551	Lady Quality, 225 (2d entry) ..	9,816	404.26	472	4.12
	Owned by Percival Roberts, Jr., Narberth, Pa.				
22955	Annie May Louvan, 490....	9,803	397.25	463	4.05
	Owned by A. F. Spooner, Richville, N. Y.				
23691	Beubolah Fox, 550	9,713	387.10	452	3.99
	Owned by A. F. Spooner, Richville, N. Y.				
20324	Daisy Jewess 3d, 97.....	9,665	356.57	416	3.70
	Owned by Hill Top Farm, Wheeling, W. Va.				
23077	Lucy J., 321	9,652	407.35	475	4.23
	Owned by Friends' Asylum, Frankford, Pa.				
17452	Eugenie Douglas, 83	9,587	380.44	444	3.97
	Owned by Howard Cook, Beloit, Ohio.				
19507	Lady Burton, 184	9,580	326.95	381	3.41
	Owned by Chas. J. Bell, Hollis, N. H.				
22213	Babe's Duchess, 102	9,559	386.60	451	4.04
	Owned by Hill Top Farm, Wheeling, W. Va.				
20528	Bernice Sebastian, 243.....	9,467	356.10	415	3.76
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
24717	Blanche of Sand Hill, 324 (2d entry)	9,267	359.18	419	3.88
	Owned by S. S. Karr & Son, Almond, N. Y.				
24677	Barcheskie Gwynette, 241..	9,234	415.10	484	4.49
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
22350	Bell of Hillcroft, 431.....	9,139	382.02	446	4.18
	Owned by Matthew Hannah, Brownsville, Vt.				
25293	Finlayston's Fern, 238 (2d entry)	9,113	340.82	398	3.74
	Owned by John R. Valentine, Bryn Mawr, Pa.				
25368	Mona of Bell Farm, 359....	9,084	320.77	374	3.53
	Owned by Chas. J. Bell, Hollis, N. H.				
19504	Yucca Douglas, 183	9,049	317.77	371	3.51
	Owned by Chas. J. Bell, Hollis, N. H.				
28060	Grace of Hillview, 557.....	9,046	358.56	418	3.96
	Owned by Hait Wallace, Shelbyville, Ky.				

THREE YEAR OLD FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
22465	Winnie K., 398	8,982	420.76	491	4.84
	Owned by W. V. Probasco, Cream Ridge, N. J.				
15263	Belle's Cherry, 18	8,871	361.25	421	4.07
	Owned by Howard Cook, Beloit, Ohio.				
25159	Jenette Douglas, 550	8,854	323.51	377	3.66
	Owned by A. F. Spooner, Richville, N. Y.				
26154	Dew Blossom, 366 (2d entry)	8,835	381.31	445	4.32
	Owned by M. J. Karr & Son, Almond, N. Y.				
22763	Crimson Maid, 160 (2d ent.)	8,811	358.98	419	4.09
	Owned by Geo. F. Stone, Littleton, Mass.				
24721	Eliza T., 326 (2d entry)	8,787	355.8	415	4.05
	Owned by Cornell University, Ithaca, N. Y.				
23078	Nellie Hebron, 498	8,726	394.59	460	4.52
	Owned by S. S. Karr & Son, Almond, N. Y.				
23289	Pauline Ayer of Sunnyside, 322	8,711	343.90	401	3.95
	Owned by C. W. Lewis & Sons, Alfred Station, N. Y.				
23405	Ann of Highland, 519	8,651	322.43	376	3.73
	Owned by H. C. Groome, Warrenton, Va.				
18680	Amelia Sebastian, 248	8,604	355.66	415	4.13
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
19752	Cherry of Barclay, 179	8,599	371.13	438	4.32
	Owned by J. W. Clise, Redmond, Wash.				
17256	Lady Bell 4th, 91	8,516	374.63	437	4.40
	Owned by John R. Valentine, Bryn Mawr, Pa.				
25011	Queen of Wood's Hill 2d, 328	8,507	287.51	335	3.38
	Owned by Chas. J. Bell, Hollis, N. H.				
22487	Fidelia Fizzaway, 349	8,502	379.47	443	4.46
	Owned by J. F. Converse, Woodville, N. Y.				
21795	Irene Douglas, 189	8,490	339.94	397	4.
	Owned by Hill Top Farm, Wheeling, W. Va.				
24284	Willowmoor White Beauty, 288 (2d entry)	8,457	316.64	369	3.74
	Owned by J. W. Clise, Redmond, Wash.				
24253	Clover Maid's Blossom, 532	8,441	321.82	375	3.81
	Owned by Branford Farms, Groton, Conn.				
23101	Crimson Lady, 290	8,376	349.	407	4.17
	Owned by Geo. F. Stone, Littleton, Mass.				
17255	Nellie of Highland, 100	8,374	331.82	387	3.97
	Owned by John R. Valentine, Bryn Mawr, Pa.				
19897	Queen S., 191	8,362	281.59	329	3.37
	Owned by W. V. Probasco, Cream Ridge, N. J.				
21253	Ithan 3d, 177	8,360	347.23	405	4.15
	Owned by John R. Valentine, Bryn Mawr, Pa.				
23654	Janet Laing, 517	8,354	294.73	344	3.52
	Owned by H. C. Groome, Warrenton, Va.				
26992	Addington Queen 2d, 281 (2d entry)	8,339	311.25	363	3.73
	Owned by Hill Top Farm, Wheeling, W. Va.				
22218	Broomhill Dairymaid, 99	8,326	319.13	372	3.84
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
21695	Mabelle of Highland, 232 (2d entry)	8,313	309.05	361	3.72
	Owned by John R. Valentine, Bryn Mawr, Pa.				



OLDHALL LADYSMITH 4TH
BOGHALL SNOWDROP 2ND

THREE YEAR OLD FORM—*Continued.*

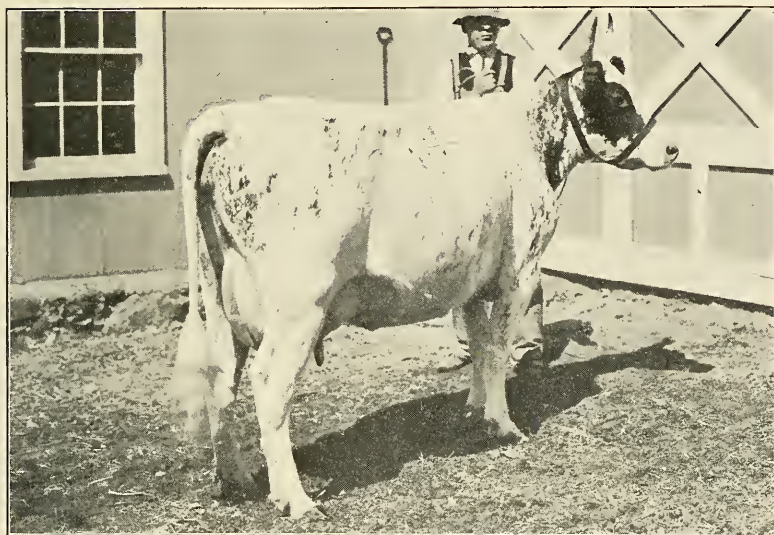
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
25052	Buttercup of Hillcroft, 415.. Owned by H. W. Pardey, Segreganset, Mass.	8,287	330.43	386	3.99
18247	Kitty K. 2d, 92..... Owned by John R. Valentine, Bryn Mawr, Pa.	8,255	351.97	411	4.26
18681	Angeline Sebastian, 94..... Owned by J. F. Butterfield Co., So. Montrose, Pa.	8,176	340.30	397	4.16
23494	Daisy of Bryn Mawr, 414.. Owned by Branford Farms, Groton, Conn.	8,163	325.15	379	3.99
22219	Barleith Snowdrop, 101..... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	8,158	298.98	349	3.65
20802	Lady Redwood, 244 Owned by E. J. Fletcher, Greenfield, N. H.	8,141	289.17	337	3.55
27550	Imp. Hobsland Miss May, 537 Owned by P. Ryan, Brewster, N. Y.	8,132	321.06	375	3.95
18821	Lady Rotha, 82 Owned by J. W. Clise, Redmond, Wash.	8,101	315.17	368	3.89
27310	Imp. Burnhouses Yellow Bess 2d, 579 Owned by J. W. Ogden, Morristown, N. J.	8,056	324.09	378	4.02
24340	Lady Ratcliffe 3d, 306..... Owned by Dudley Wells & Son, Wethersfield, Conn.	8,050	388.11	453	4.2
26157	May Hebron 2d, 308 (2d entry) Owned by M. J. Karr & Son, Almond, N. Y.	8,049	304.5	355	3.78
26313	Imp. Torrs Sibella, 447..... Owned by J. W. Ogden, Morristown, N. J.	8,002	326.41	381	4.08
21009	Crimson Rambler, 61 (2d entry) Owned by Geo. F. Stone, Littleton, Mass.	8,001	305.21	356	3.81
20181	Kaziah 2d, 178..... Owned by John R. Valentine, Bryn Mawr, Pa.	7,961	295.65	345	3.71
26257	Finlayston's Lady Bell, 291. Owned by John R. Valentine, Bryn Mawr, Pa.	7,957	357.36	417	4.49
21094	Lady Star, 190 Owned by W. V. Probasco, Cream Ridge, N. J.	7,906	281.84	329	3.57
26876	Castlemains Betty 4th, 382. Owned by P. Ryan, Brewster, N. Y.	7,847	280.12	327	3.57
16351	Dorris Y., 96 Owned by Henry Dorrance, Plainfield, Conn.	7,807	312.80	365	4.01
23149	Winnie Mitchell 2d, 403.... Owned by Henry Dorrance, Plainfield, Conn.	7,725	307.04	358	4.11
21249	Oshawa's Pride, 182 Owned by John R. Valentine, Bryn Mawr, Pa.	7,681	318.09	371	4.14
19755	Soney of Barclay, 186..... Owned by J. W. Clise, Redmond, Wash.	7,680	315.87	369	4.11
21248	Oshawa's Prudence, 181.... Owned by John R. Valentine, Bryn Mawr, Pa.	7,668	313.32	366	4.09
23037	Yarmouth Mayflower 2d, 320 Owned by J. A. Ness, Auburn, Me.	7,621	331.4	387	4.34
23013	Friskey of Barclay, 277.... Owned by P. Ryan, Brewster, N. Y.	7,588	283.58	331	3.74
27309	Whitehill Lily 3d, 492..... Owned by J. W. Ogden, Morristown, N. J.	7,554	310.82	363	4.12

THREE YEAR OLD FORM—Continued.

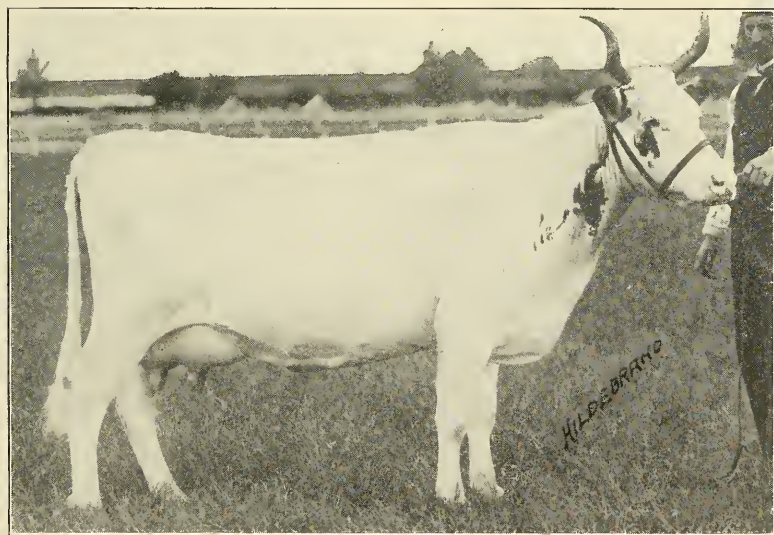
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
23781	Fragrance of Elm Valley, 342 Owned by Friends' Asylum, Frankford, Pa.	7,550	320.36	374	4.24
24258	Lady Princess, 514 Owned by Friends' Asylum, Frankford, Pa.	7,548	269.13	314	3.56
19350	Chautauqua Fairy, 93 Owned by J. F. Butterfield Co., So. Montrose, Pa.	7,524	305.21	356	4.05
23152	Queen Vashti, 278 Owned by C. A. Griscom, Haverford, Pa.	7,507	280.68	327	3.74
24261	Hazel of Stanley, 361 (2d entry) Owned by C. A. Griscom, Haverford, Pa.	7,482	296.20	346	3.96
23164	Phoebe of Hillview, 346 (2d entry) Owned by Hart Wallace, Shelbyville, Ky.	7,467	305.12	356	4.09
25103	Ithan 4th, 228 (2d entry).. Owned by John R. Valentine, Bryn Mawr, Pa.	7,448	294.45	344	3.95
24002	Betty Hamilton, 357..... Owned by Hill Top Farm, Wheeling, W. Va.	7,439	302.54	353	4.07
22462	Mysie of Monmouth, 418... Owned by W. V. Probasco, Cream Ridge, N. J.	7,416	290.	338	3.92
18824	Orinda, 85 Owned by J. W. Clise, Redmond, Wash.	7,375	281.37	328	3.82
17614	Ponemah 2d, 87 Owned by Walter D. Turner, Moretown, Vt.	7,330	261.02	304	3.56
17360	Rotha of Ridgeside, 95..... Owned by Henry Dorrance, Plainfield, Conn.	7,324	330.86	386	4.52
22765	Crimson Avis, 245 Owned by Geo. F. Stone, Littleton, Mass.	7,320	261.45	305	3.57
19489	Cora T. 3d, 90 Owned by S. S. Karr & Son, Almond, N. Y.	7,312	291.58	340	3.99
27541	Imp. Hobsland Ella, 509.... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	7,272	311.63	364	4.29
23382	Wind Crest Girl, 303..... Owned by Walter S. Cramton, Rutland, Vt.	7,226	292.41	340	4.04
22257	Clara of Willowmoor, 369... Owned by J. W. Clise, Redmond, Wash.	7,204	262.95	308	3.65
23924	Butternut Girl, 393' Owned by Walter S. Cramton, Rutland, Vt.	7,095	278.35	325	3.92
19553	Fern T., 392 Owned by John R. Valentine, Bryn Mawr, Pa.	7,077	236.80	276	3.35
23846	Zolah Bell, 535 Owned by J. W. Ogden, Morristown, N. J.	6,988	297.68	347	4.26
26690	Aunt Abby 3d, 569..... Owned by Francis Lynde Stetson, Sterlington, N. Y.	6,946	246.86	288	3.55
25114	Fancy Ayer of Sunnyside, 396 Owned by C. W. Lewis & Sons, Alfred Station, N. Y.	6,828	295.19	344	4.32
18248	Neidpath Lassie 2d, 88..... Owned by John R. Valentine, Bryn Mawr, Pa.	6,746	258.06	301	3.83
28504	Monarch Snowdrop, 445 ... Owned by Percival Roberts, Jr., Narberth, Pa.	6,714	272.59	318	4.06
16701	Stiletto, 86 Owned by Conn. Agr'l College, Storrs, Conn.	6,707	262.93	307	3.92
27545	Imp. Muirlaught Dandy, 489 Owned by Geo. H. McFadden, Bryn Mawr, Pa.	6,625	288.51	337	4.36
18689	White Bess of Radnor, 84.. Owned by Geo. H. McFadden, Bryn Mawr, Pa.	6,594	263.20	307	3.99

FOUR YEAR OLD FORM.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
17904	Bessie of Rosemont, 44 (2d entry)	14,102	578.17	673	4.1
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
21712	Southwick Woodbine, 493... ..	12,995	468.42	547	3.6
	Owned by J. W. Clise, Redmond, Wash.				
18400	Cora T. 2d, 198.....	12,230	511.44	597	4.18
	Owned by S. S. Karr & Son, Almond, N. Y.				
20180	Bell Ayer, 56 (2d entry)... ..	11,934	492.91	575	4.22
	Owned by John R. Valentine, Bryn Mawr, Pa.				
20066	Lady Douglas of Riverside, 255	11,577	447.72	522	3.87
	Owned by Missouri Agr'l College, Columbia, Mo.				
21852	Douglas Cordelia, 79 (2d ent.) ..	11,448	411.10	480	3.59
	Owned by Hill Top Farm, Wheeling, W. Va.				
19487	Midget of Sand Hill, 89 (2d entry)	11,281	421.47	492	3.74
	Owned by S. S. Karr & Son, Almond, N. Y.				
18249	Oshawa Lady 2d, 78 (2d ent.) ..	11,254	430.73	503	3.83
	Owned by John R. Valentine, Bryn Mawr, Pa.				
23833	Madame Bossi, 448	11,148	441.49	515	3.96
	Owned by J. W. Ogden, Morristown, N. J.				
21837	Leta of Avon, 383.....	11,062	452.67	528	4.09
	Owned by Mrs. F. D. Erhardt, West Berlin, Vt.				
21695	Mabelle of Highland, 232 (3d entry)	10,957	408.72	477	3.73
	Owned by John R. Valentine, Bryn Mawr, Pa.				
19217	Finlayston Maggie 3d, 105... ..	10,759	446.11	520	4.15
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
18678	Pauline Sebastian, 109.....	10,745	361.57	422	3.36
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
26039	Kaziah of Highland, 307 (2d entry)	10,624	369.12	431	3.57
	Owned by John R. Valentine, Bryn Mawr, Pa.				
19153	Esthon Douglas, 197	10,527	373.52	436	3.54
	Owned by Chas. J. Bell, Hollis, N. H.				
17015	Beckey of Holehouse, 115... ..	10,507	394.90	461	3.76
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
20531	Abbie Sebastian, 103.....	10,449	365.65	427	3.5
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
21247	Rena Ayer, 72 (2d entry)... ..	10,424	440.21	514	4.04
	Owned by John R. Valentine, Bryn Mawr, Pa.				
22593	Clean Lugs, 501	10,224	380.99	444	3.73
	Owned by A. F. Spooner, Richville, N. Y.				
22260	Eva of Willowmoor, 494....	10,101	449.84	525	4.45
	Owned by J. W. Clise, Redmond, Wash.				
22951	Giftie Gat, 528	10,099	409.16	477	4.05
	Owned by A. F. Spooner, Richville, N. Y.				
23075	Sarah Hebron, 367	10,097	469.17	547	4.64
	Owned by M. J. Karr & Son, Almond, N. Y.				
20323	October Lass, 111	10,078	396.29	462	3.93
	Owned by Hill Top Farm, Wheeling, W. Va.				
17473	Madonna Lass 2d, 110.....	10,020	383.60	448	3.82
	Owned by Hill Top Farm, Wheeling, W. Va.				



GLENSHAMROCK CHERRY 3RD
Owned by Arthur H. Sagendorph, Spencer, Mass.



HOWIE'S LADYLIKE
Owned by W. P. Schanck, Avon, N. Y.

FOUR YEAR OLD FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
23999	Maud Douglas, 239 (2d ent.) Owned by Hill Top Farm, Wheeling, W. Va.	9,618	355.91	415	3.7
20500	Margaret of Rathalla, 353... Owned by W. W. Blake Arkcoll, Paoli, Pa.	9,586	380.42	444	3.97
27957	Imp. Mona of Torr, 520.... Owned by John R. Valentine, Bryn Mawr, Pa.	9,555	369.29	431	3.86
22765	Crimson Avis, 245 (2d ent.) Owned by Geo. F. Stone, Littleton, Mass.	9,502	321.80	375	3.37
22201	Madge of Wellington, 344... Owned by A. B. McConnell & Sons, Wellington, Ohio.	9,494	390.84	456	4.14
25382	Rose Moodna, 450..... Owned by Chas. J. Bell, Hollis, N. H.	9,455	322.44	377	3.41
24346	Lady Yarico, 453 Owned by Branford Farms, Groton, Conn.	9,413	352.61	411	3.75
21627	Broomhill Minnie 10th, 106. Owned by Geo. H. McFadden, Bryn Mawr, Pa.	9,409	384.20	448	4.08
18679	Agnes Sebastian, 107..... Owned by J. F. Butterfield Co., So. Montrose, Pa.	9,364	360.21	420	3.85
22923	Columbia Douglas, 484..... Owned by Missouri Agr'l College, Columbia, Mo.	9,329	351.34	410	3.76
21739	Princess of Maple Grove, 317 Owned by J. A. Ness, Auburn, Me.	9,259	313.03	365	3.38
23081	Molly Hebron, 475 Owned by S. S. Karr & Son, Almond, N. Y.	9,252	341.53	398	3.69
21251	Colonel's Lady Bell, 256.... Owned by John R. Valentine, Bryn Mawr, Pa.	9,226	417.33	487	4.52
20956	Garlaugh Mayflower, 194.... Owned by Percival Roberts, Jr., Narberth, Pa.	9,224	341.61	399	3.70
20846	Lady Leah, 252 Owned by C. J. Bell, Hollis, N. H.	9,199	308.83	360	3.36
26364	Burnside Lady Waddell, 527 Owned by J. W. Ogden, Morristown, N. J.	9,186	381.09	445	4.15
21851	Douglas Empress, 195 Owned by Hill Top Farm, Wheeling, W. Va.	9,165	386.31	450	4.21
22474	Nellie Earl, 251 Owned by H. C. Groome, Warrenton, Va.	9,117	342.34	399	3.75
16779	Dollie Kilbowie, 112..... Owned by Walter D. Turner, Moretown, Vt.	9,039	311.47	363	3.45
21109	Crimson Rambler, 61 (3d ent.) Owned by Geo. F. Stone, Littleton, Mass.	9,036	329.91	385	3.69
23101	Crimson Lady, 290 (2d ent.) Owned by Geo. F. Stone, Littleton, Mass.	9,032	365.17	426	4.04
23812	Lady Crimsonia, 485..... Owned by Geo. F. Stone, Littleton, Mass.	8,995	361.12	421	4.02
21259	Bell Ayer 2d, 237 (2d entry) Owned by John R. Valentine, Bryn Mawr, Pa.	8,992	410.35	479	4.56
24656	Snowball of Hillcroft, 435.. Owned by M. Hannah, Brownsville, Vt.	8,964	385.04	449	4.30
17024	Lizzie of Barclay, 116..... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	8,868	409.91	478	4.62
24650	Gertrude Kelynn, 253..... Owned by Geo. F. Stone, Littleton, Mass.	8,793	327.53	382	3.72
22599	Stella of Mansfield, 455.... Owned by Conn. Agr'l College, Storrs, Conn.	8,650	322.12	376	3.72

FOUR YEAR OLD FORM—Continued.

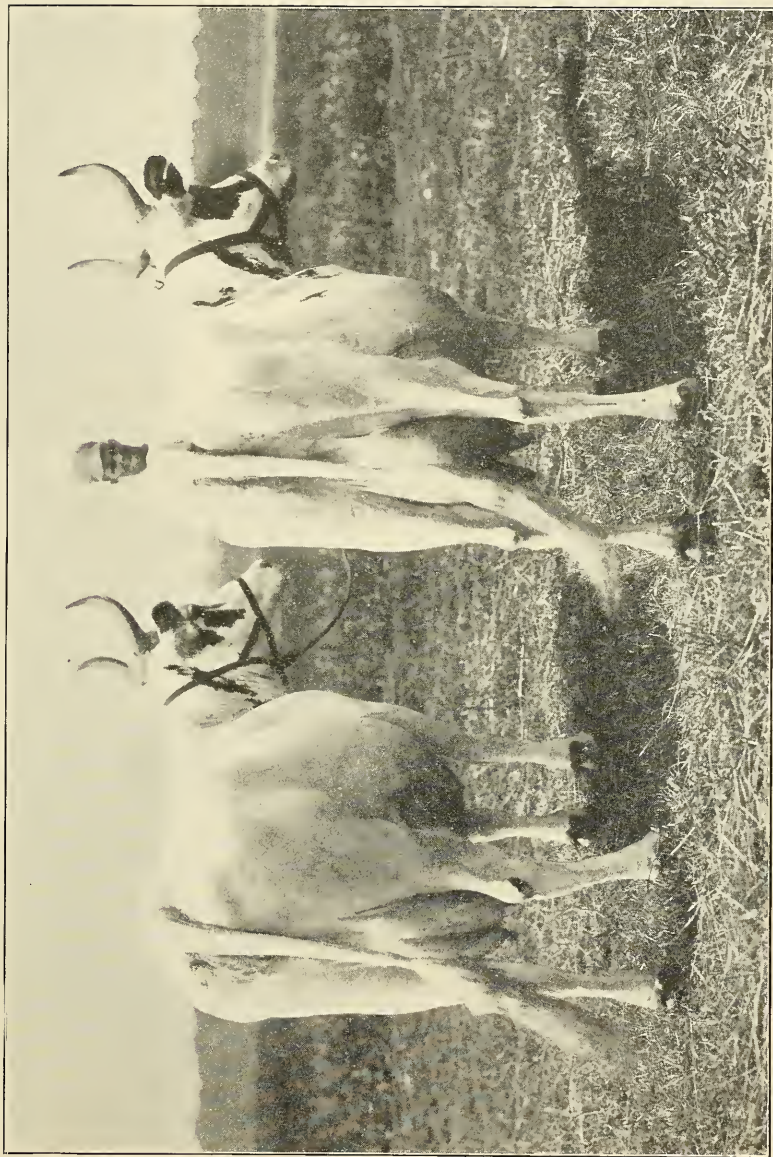
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
23116	Florence Fizzaway, 461.....	8,630	326.78	381	3.79
	Owned by J. F. Converse, Woodville, N. Y.				
20597	Beauty of Maple Hill, 380..	8,586	355.11	414	4.13
	Owned by J. G. Clark, Ottawa, Ont.				
17472	Daisy Jewess 2d, 114.....	8,574	336.95	393	3.93
	Owned by Hill Top Farm, Wheeling, W. Va.				
20524	Rose Elaban, 459.....	8,508	306.35	358	3.60
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
21622	Auchenbrain Princess 7th, 104	8,506	359.40	419	4.23
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
22200	Madaline V., 343	8,503	358.58	418	4.22
	Owned by A. B. McConnell & Sons, Wellington, Ohio.				
20326	Cordelia Douglas, 460	8,397	329.91	384	3.93
	Owned by Hill Top Farm, Wheeling, W. Va.				
17997	Miss Betty of Spring Hill, 113	8,334	304.10	355	3.65
	Owned by S. S. Karr & Son, Almond, N. Y.				
23868	Beuchan Nancy, 370	8,191	308.34	360	3.77
	Owned by J. W. Clise, Redmond, Wash.				
20259	Polly Sebastian, 196	8,189	316.18	369	3.86
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
17254	Ithan 2d, 108	8,174	368.66	430	4.51
	Owned by John R. Valentine, Bryn Mawr, Pa.				
24729	Jessie Douglas, 254	8,163	338.02	394	4.14
	Owned by Good Hold Farm, Mentor, O.				
22419	Norwood Model, 280 (2d ent.)	8,137	277.08	323	3.4
	Owned by J. W. Ogden, Morristown, N. J.				
26885	Barleith Nancy Red Rose, 556	8,086	339.94	392	4.15
	Owned by Hart Wallace, Shelbyville, Ky.				
24677	Castlemains Ann 2d, 472....	8,083	317.14	370	3.92
	Owned by Hill Top Farm, Wheeling, W. Va.				
23610	Bessie Begone 2d, 404.....	8,072	295.94	345	3.67
	Owned by Henry Dorrance, Plainfield, Conn.				
27000	Garclaugh Mansfield 5th, 549	8,050	310.70	362	3.86
	Owned by Percival Roberts, Jr., Narberth, Pa.				
22464	Rosy Ayer 2d, 419.....	8,041	332.05	387	4.3
	Owned by W. V. Probasco, Cream Ridge, N. J.				
19894	Linda S., 193	8,005	310.78	363	3.88
	Owned by W. V. Probasco, Cream Ridge, N. J.				
21014	Carlotta Clyde 2d, 315.....	7,988	312.72	365	3.91
	Owned by Friends' Asylum, Frankford, Pa.				
22956	Belyoe, 524	7,984	334.71	391	4.2
	Owned by A. F. Spooner, Richville, N. Y.				
22221	Holehouse White Bess, 192.	7,981	347.87	406	4.36
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
30909	Pride of the Willows, 573..	7,972	302.23	353	3.79
	Owned by Branford Farms, Groton, Conn.				
22466	Roma Ayer, 433	7,942	302.84	353	3.81
	Owned by W. V. Probasco, Cream Ridge, N. J.				
27945	Imp. Auchenbrain Kirsty 10th,				
	548	7,878	343.07	400	4.36
	Owned by Percival Roberts, Jr., Narberth, Pa.				

FOUR YEAR OLD FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
20530	Hazel Sebastian, 249.....	7,825	333.62	389	4.3
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
23549	Lady's Princess, 220 (2d ent.)	7,814	341.61	399	4.37
	Owned by Percival Roberts, Jr., Narberth, Pa.				
23068	Queen of Maple Grove, 534..	7,807	320.05	373	4.1
	Owned by F. M. Dow, Portland, Me.				
20871	Miss Bessie, 250	7,755	333.74	389	4.33
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
22125	Queen's Denty. 381	7,743	294.36	344	3.8
	Owned by P. Ryan, Brewster, N. Y.				

MATURE FORM.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
23985	Netherhall Brownie 9th, 371	18,110	820.91	958	4.53
	Owned by J. W. Clise, Redmond, Wash.				
14539	Rena Ross, 141 (2d entry)..	15,072	642.86	750	4.26
	Owned by John R. Valentine, Bryn Mawr, Pa.				
18043	Lady Wonder 4th, 48 (4th entry)	14,634	568.07	663	3.88
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
19487	Midget of Sand Hill, 89 (3d entry)	14,433	521.86	609	3.62
	Owned by S. S. Karr & Son, Almond, N. Y.				
19895	Lottie S., 559	14,122	512.	597	3.63
	Owned by Hart Wallace, Shelbyville, Ky.				
23341	White Floss of Kelso, 525..	13,956	518.71	605	3.72
	Owned by Hart Wallace, Shelbyville, Ky.				
21687	Auchenbrain White Beauty 2d, 207 (2d entry).....	13,789	564.39	658	4.09
	Owned by Percival Roberts, Jr., Narberth, Pa.				
22563	Queen Ester, 247 (2d entry)	13,681	448.21	523	3.28
	Owned by H. C. Groome, Warrenton, Va.				
16289	Fern Ayer, 134 (2d entry)..	13,601	519.64	606	3.82
	Owned by John R. Valentine, Bryn Mawr, Pa.				
21335	Garland Melrose, 562.....	13,507	525.11	613	3.94
	Owned by Hart Wallace, Shelbyville, Ky.				
20053	Berwine, 292	13,261	449.66	525	3.39
	Owned by Dudley Wells, Wethersfield, Conn.				
26870	Netherhall Brownie 13th, 384	13,217	503.45	587	3.81
	Owned by J. W. Ogden, Morristown, N. J.				
21625	Auchenbrack Sweet Pea 2d, 257	13,097	523.87	622	4.07
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
27645	Leah's Fairy, 377	13,032	437.97	511	3.74
	Owned by Good Hold Farm, Mentor, Ohio.				
26870	Netherhall Brownie 13th, 384	13,031	490.22	572	3.73
	Owned by J. W. Ogden, Morristown, N. J.				
20944	Garclaugh Bloomer 2d, 215..	12,969	491.38	573	3.79
	Owned by Percival Roberts, Jr., Narberth, Pa.				



IMP. HOLEHOUSE WHITE BESS, 22221

Owned by Branford Farms, Groton, Conn.

IMP. GARLAF MISS MEGLETOE, 30879

MATURE FORM—*Continued.*

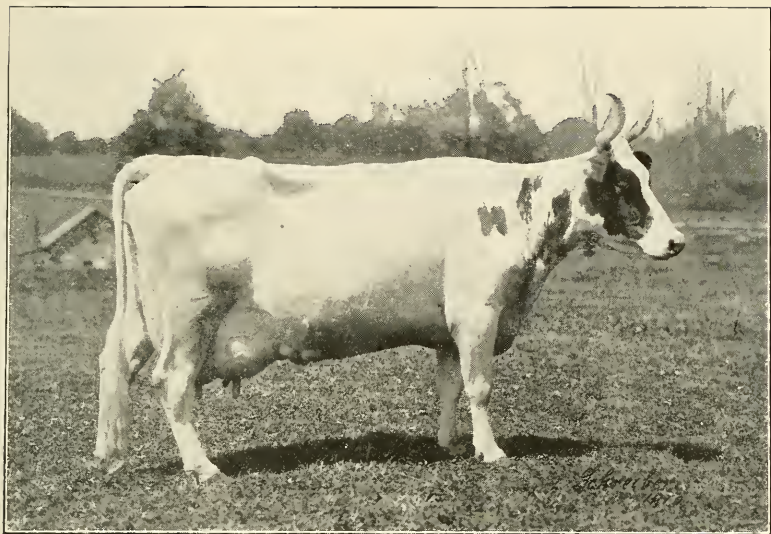
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
21109	Crimson Rambler, 61 (5th entry)	12,776	433.95	506	3.4
	Owned by Geo. F. Stone, Littleton, Mass.				
27136	Irene of the Elms, 542.....	12,716	467.21	545	3.67
	Owned by Good Hold Farm, Mentor, Ohio.				
16296	Polly Puss, 133	12,632	501.08	584	3.97
	Owned by John R. Valentine, Bryn Mawr, Pa.				
17452	Eugenie Douglas, 83 (2d ent.)	12,570	479.70	560	3.82
	Owned by Howard Cook, Beloit, Ohio.				
16188	Rose Morning, 300	12,564	416.24	486	3.31
	Owned by L. C. Spalding & Son, Poultney, Vt.				
15096	Queen of Barclay, 148 (3d entry)	12,557	497.89	581	3.97
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
20328	Rose Ermel, 365	12,501	452.	527	3.69
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
19490	Jennie of Sand Hill, 188 (2d entry)	12,477	534.45	624	4.36
	Owned by S. S. Karr & Son, Almond, N. Y.				
20970	Primrose, 209 (2d entry)....	12,465	461.16	538	3.7
	Owned by Percival Roberts, Jr., Narberth, Pa.				
17018	Friskey of Bonshaw, 144 (3d entry)	12,445	583.66	680	4.69
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
16189	Lillian Drummond 4th, 124 (2d entry)	12,432	445.47	520	3.59
	Owned by L. C. Spalding & Son, Poultney, Vt.				
13772	Cora T., 212	12,392	456.25	532	3.76
	Owned by S. S. Karr & Son, Almond, N. Y.				
15833	Elsbeth of Picton Island, 545	12,388	508.55	593	4.1
	Owned by John Sherwin, Cleveland, Ohio.				
15913	Keepsake, 140 (2d entry)....	12,365	469.32	548	3.79
	Owned by John R. Valentine, Bryn Mawr, Pa.				
18975	Florence Melrose, 368.....	12,349	483.05	564	3.91
	Owned by Purdue University, Lafayette, Ind.				
9530	Rena Myrtle, 1	12,172	468.	546	3.84
	Owned by Vermont Experiment Station, Burlington, Vt.				
18364	May Hebron, 425	12,135	483.29	564	4.
	Owned by M. J. Karr & Son, Almond, N. Y.				
21850	Madonna Lass 3d, 185 (2d entry)	12,097	490.67	572	4.05
	Owned by Hill Top Farm, Wheeling, W. Va.				
17287	Bessie Clyde, 210	12,044	429.35	501	3.56
	Owned by S. S. Karr & Son, Almond, N. Y.				
26328	Hazel Acme, 335	12,002	429.84	501	3.58
	Owned by F. W. Spalding, Poultney, Vt.				
17473	Madonna Lass 2d, 110 (2d entry)	11,895	416.85	486	3.5
	Owned by Hill Top Farm, Wheeling, W. Va.				
12094	Acelista, 8 (3d entry).....	11,856	419.38	489	3.54
	Owned by C. M. Winslow, Brandon, Vt.				

MATURE FORM—*Continued.*

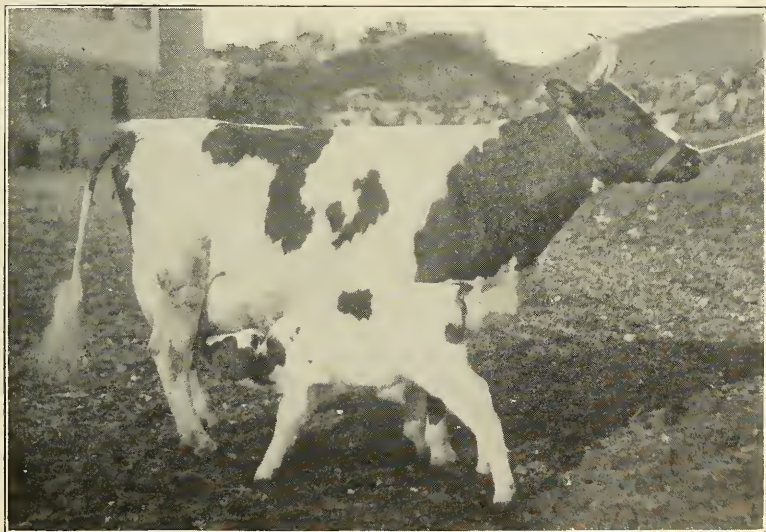
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
17904	Bessie of Rosemont, 44 (3d entry)	11,784	485.47	566	4.12
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
21702	Princess Lily, 204	11,771	438.03	511	3.72
	Owned by J. W. Clise, Redmond, Wash.				
21686	Castlemain's Nancy 2d, 216.	11,767	437.01	510	3.71
	Owned by Percival Roberts, Jr., Narberth, Pa.				
15577	Denty 9th of Auchenbrain, 146	11,757	446.86	521	3.81
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
26327	Major Acme Myra, 334.	11,747	425.	496	3.62
	Owned by F. W. Spalding, Poultney, Vt.				
20922	May Mitchell, 156 (2d ent.)	11,708	459.56	536	3.92
	Owned by Percival Roberts, Jr., Narberth, Pa.				
22763	Crimson Maid, 160 (3d ent.)	11,687	439.94	513	3.76
	Owned by Geo. F. Stone, Littleton, Mass.				
15026	Rose Clockston, 27 (2d ent.)	11,612	377.49	440	3.25
	Owned by C. M. Winslow, Brandon, Vt.				
16540	Ayrlynn Queen, 293.	11,585	399.37	466	3.45
	Owned by Good Hold Farm, Mentor, Ohio.				
23033	Yarmouth Mayflower, 319.	11,549	482.15	562	4.18
	Owned by J. A. Ness, Auburn, Maine.				
21699	Little Kilmory Lady Jane, 258	11,505	407.49	475	3.54
	Owned by J. W. Clise, Redmond, Wash.				
19898	Enid S., 263 (2d entry)	11,496	453.80	529	3.95
	Owned by Friends' Asylum, Frankford, Pa.				
18148	Etta Poultney, 127	11,475	419.46	489	3.65
	Owned by J. W. Clise, Redmond, Wash.				
19216	Brown Eyes of Knockdon, 150 (2d entry)	11,448	437.61	511	3.82
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
20365	Bessie of Sand Hill, 52 (2d entry)	11,407	536.28	626	4.7
	Owned by S. S. Karr & Son, Almond, N. Y.				
22595	Rhodora H., 558	11,374	409.39	478	3.6
	Owned by Hart Wallace, Shelbyville, Ky.				
20970	Primrose, 209 (3d entry) ...	11,372	475.75	555	4.17
	Owned by Percival Roberts, Jr., Narberth, Pa.				
18827	Carmina, 259	11,317	444.53	519	3.92
	Owned by New Hampshire College of Agr., Durham, N. H.				
26679	Lady Douglas B., 536.	11,309	386.55	451	3.42
	Owned by F. N. Dow, Portland, Me.				
15096	Queen of Barclay, 148 (2d entry)	11,258	414.86	484	3.68
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
17452	Eugenie Douglas, 83 (3d ent.)	11,252	416.90	486	3.71
	Owned by Howard Cook, Beloit, Ohio.				
22238	Rutland Girl, 302	11,216	355.50	415	3.17
	Owned by F. W. Spalding, Poultney, Vt.				
23866	Gardrum Brandy, 407 (2d entry)	11,196	408.32	476	3.65
	Owned by J. W. Clise, Redmond, Wash.				

MATURE FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
27943	Imp. Auchenbrain Brown Kate 4th, 547	11,184	459.64	536	4.11
	Owned by Percival Roberts, Jr., Narberth, Pa.				
12094	Acelista, S (4th entry).....	11,169	384.21	448	3.44
	Owned by C. M. Winslow, Brandon, Vt.				
19153	Esthon Douglas, 197 (3d ent.)	11,121	412.64	481	3.71
	Owned by Chas. J. Bell, Hollis, N. H.				
12933	Kitty K., 139	11,115	438.88	512	3.94
	Owned by John R. Valentine, Bryn Mawr, Pa.				
15959	Nino Douglas, 202	11,115	431.18	503	3.88
	Owned by J. W. Clise, Redmond, Wash.				
20049	Yarico 3d, 351	11,089	382.19	446	3.45
	Owned by Dudley Wells & Son, Wethersfield, Conn.				
16291	Rosanna Webb, 310	11,086	470.37	549	4.24
	Owned by S. S. Karr & Son, Almond, N. Y.				
18043	Lady Wonder 4th, 48 (2d entry)	11,085	415.12	484	3.65
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
16154	Vera, 262 (2d entry).....	11,068	388.64	453	3.51
	Owned by Geo. F. Stone, Littleton, Mass.				
19267	Iris Douglas, 387	10,992	452.02	527	4.12
	Owned by Mrs. F. D. Erhardt, West Berlin, Vt.				
18255	Rose Aileen, 51 (2d entry) ..	10,972	353.44	412	3.22
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
19050	Anna H. Douglas, 260.....	10,922	421.90	492	3.86
	Owned by Missouri Agr'l College, Columbia, Mo.				
21750	Netherhall Jean 3d, 201....	10,920	433.33	506	3.97
	Owned by J. W. Clise, Redmond, Wash.				
15913	Keepsake, 140	10,868	442.02	516	4.05
	Owned by John R. Valentine, Bryn Mawr, Pa.				
21851	Douglas Empress, 195 (2d entry)	10,868	460.33	537	4.23
	Owned by Hill Top Farm, Wheeling, W. Va.				
23035	Zilpher, 566	10,862	373.90	436	3.44
	Owned by F. N. Dow, Portland, Me.				
20923	Ethel Mary Stewart, 313....	10,859	413.15	482	3.81
	Owned by Ashley Farm, Media, Pa.				
19391	Buttercup F. 3d, 294.....	10,859	394.76	461	3.63
	Owned by Good Hold Farm, Mentor, Ohio.				
22652	Drummond's Gem, 187 (2d entry)	10,841	388.60	453	3.58
	Owned by Hill Top Farm, Wheeling, W. Va.				
24650	Gertude Kelvyn, 253 (2d ent.)	10,825	370.27	432	3.42
	Owned by Geo. F. Stone, Littleton, Mass.				
20967	Little Love, 301	10,804	401.24	468	3.71
	Owned by Ashley Farm, Media, Pa.				
26871	Auchenbrain Favourite Beauty 4th, 495	10,800	404.56	472	3.75
	Owned by Hill Top Farm, Wheeling, W. Va.				
19860	Beauty of Hillcroft, 436.....	10,769	507.33	592	4.71
	Owned by M. Hannah, Brownsville, Vt.				
19750	Daisy of Barclay, 390.....	10,752	387.77	453	3.61
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				



AUCHENBRAIN WHITE BEAUTY 2ND
Owned by Percival Roberts, Jr., Narberth, Pa.



SHEWALTON MAINS SWELL.
Owned by P. Ryan, Brewster, N. Y.

MATURE FORM—Continued.

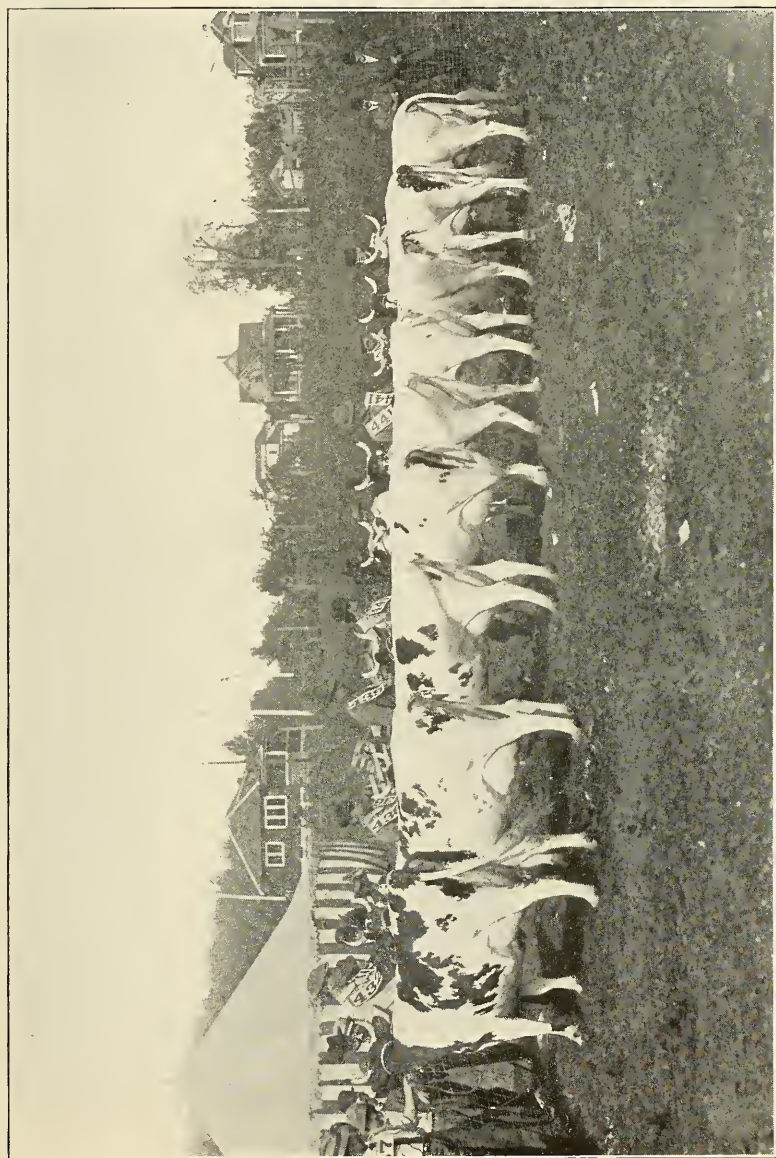
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
24899	Barcheskie Dandy 10th, 502. Owned by J. W. Clise, Redmond, Wash.	10,748	368.53	430	3.43
18000	Lady Bell of Spring Hill, 211 (2d entry)	10,709	410.13	479	3.82
	Owned by S. S. Karr & Son, Almond, N. Y.				
12680	Durwood, 5	10,701	433.71	506	4.05
	Owned by Etna J. Fletcher, Greenfield, N. H.				
17432	Megsy Tipperlin, 76 (2d ent.)	10,701	399.34	466	3.73
	Owned by John R. Valentine, Bryn Mawr, Pa.				
23865	Skaith Lady Beauty, 295 (2d entry)	10,687	395.99	462	3.71
	Owned by J. W. Clise, Redmond, Wash.				
19755	Soney of Barclay, 186 (2d entry)	10,686	435.87	509	4.07
	Owned by J. W. Clise, Redmond, Wash.				
20055	Jermia 3d, 352	10,675	410.01	478	3.94
	Owned by Dudley Wells & Son, Wethersfield, Conn.				
22213	Babe's Duchess, 102 (2d ent.)	10,623	422.33	493	3.98
	Owned by Hill Top Farm, Wheeling, W. Va.				
18723	Too Soon, 406	10,615	358.13	418	3.37
	Owned by W. V. Probasco, Cream Ridge, N. J.				
26051	Myrtle Dell of Chateaugay 2d, 516	10,587	432.48	505	4.08
	Owned by Good Hold Farm, Mentor, Ohio.				
17901	Jane of Bryn Mawr, 261....	10,573	443.13	517	4.19
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
18963	Elizabeth Melrose, 262....	10,571	402.40	469	3.81
	Owned by John R. Valentine, Bryn Mawr, Pa.				
23855	Skaith Brown Rose 2d, 203.	10,564	392.46	458	3.72
	Owned by J. W. Clise, Redmond, Wash.				
20950	Dewdrop of Spring Hill, 208	10,554	391.74	457	3.75
	Owned by Percival Roberts, Jr., Narberth, Pa.				
17160	Prudence Ayer, 337	10,550	412.35	481	3.9
	Owned by M. J. Karr & Son, Almond, N. Y.				
19898	Enid S., 263	10,539	406.64	474	3.85
	Owned by Friends' Asylum, Frankford, Pa.				
21687	Auchenbrain White Beauty 2d, 207	10,494	438.22	511	4.17
	Owned by Percival Roberts, Jr., Narberth, Pa.				
23865	Skaith Lady Beauty, 295..	10,491	378.45	442	3.6
	Owned by J. W. Clise, Redmond, Wash.				
22765	Crimson Avis, 245 (3d ent.)	10,484	353.41	412	3.37
	Owned by Geo. F. Stone, Littleton, Mass.				
16154	Vera, 264	10,473	391.44	457	3.73
	Owned by Geo. F. Stone, Littleton, Mass.				
21254	Colonel's Daughter, 174 (2d entry)	10,422	394.74	461	3.79
	Owned by John R. Valentine, Bryn Mawr, Pa.				
20970	Primrose, 209	10,410	386.04	450	3.71
	Owned by Percival Roberts, Jr., Narberth, Pa.				
15557	Belledra, 544	10,409	401.28	468	3.85
	Owned by John Sherwin, Cleveland, Ohio.				
23866	Gardrum Brandy, 407	10,390	403.72	472	3.89
	Owned by J. W. Clise, Redmond, Wash.				

MATURE FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
19002	Eugenie S., 266	10,379	341.80	399	3.29
	Owned by Friends' Asylum, Frankford, Pa.				
17898	Swan of Rosemont, 296....	10,373	411.76	481	3.97
	Owned by Ashley Farm, Media, Pa.				
21109	Crimson Rambler, 61 (4th entry)	10,346	383.61	448	3.71
	Owned by Geo. F. Stone, Littleton, Mass.				
18956	Elinde Melrose, 421	10,298	351.70	410	3.44
	Owned by Friends' Asylum, Frankford, Pa.				
23863	Old Graitney Queen 4th, 497	10,282	375.34	438	3.65
	Owned by J. W. Clise, Redmond, Wash.				
21337	Gazelle Melrose, 168 (2d ent.)	10,280	360.98	421	3.51
	Owned by W. V. Probasco, Cream Ridge, N. J.				
18043	Lady Wonder 4th, 48 (3d ent.)	10,272	385.91	450	3.75
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
19639	Annie, 312	10,242	395.03	461	3.85
	Owned by J. A. Ness, Auburn, Me.				
13984	Miss Olga, 153	10,200	386.57	451	3.79
	Owned by George H. Yeaton, Dover, N. H.				
19889	Adela S., 487	10,185	387.76	452	3.81
	Owned by W. V. Probasco, Cream Ridge, N. J.				
17896	Otero, 265	10,181	440.26	514	4.32
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
23859	Barcheskie Beauty 5th, 246..	10,100	369.95	432	3.66
	Owned by J. W. Clise, Redmond, Wash.				
23437	Hilda Douglas, 297.....	10,099	402.31	469	3.98
	Owned by Good Hold Farm, Mentor, Ohio.				
19153	Esthon Douglas, 197 (2d ent.)	10,097	385.47	450	3.82
	Owned by Chas. J. Bell, Hollis, N. H.				
23856	Auchenbrain Buntie 10th, 339	10,092	392.35	458	3.88
	Owned by J. W. Clise, Redmond, Wash.				
15885	Mamie Lena, 336	10,082	394.12	460	3.90
	Owned by Good Hold Farm, Mentor, Ohio.				
27782	Brownie Acme, 571.....	10,069	381.24	445	3.79
	Owned by F. W. Spalding, Poultney, Vt.				
27669	Nettie McC., 511	10,068	382.99	447	3.8
	Owned by A. B. McConnell & Sons, Wellington, Ohio.				
14539	Rena Ross, 141	10,065	438.46	512	4.35
	Owned by John R. Valentine, Bryn Mawr, Pa.				
21695	Zulie Star, 316	10,062	403.80	471	4.01
	Owned by Friends' Asylum, Frankford, Pa.				
19756	White Lola, 75 (2d entry)..	10,057	384.17	448	3.82
	Owned by J. W. Clise, Redmond, Wash.				
21253	Ithan 3d, 177 (2d entry)...	10,047	394.	460	3.92
	Owned by John R. Valentine, Bryn Mawr, Pa.				
20952	Wee Jenny of Holehouse, 217	10,023	444.81	519	4.23
	Owned by Percival Roberts, Jr., Narberth, Pa.				
12351	Biona, 154	10,012	341.97	399	3.42
	Owned by Geo. H. Yeaton, Dover, N. H.				
29528	Red Rose of Hollis, 540....	10,006	328.06	383	3.28
	Owned by C. J. Bell, Hollis, N. H.				
14538	Ithan, 142	9,975	396.30	462	3.97
	Owned by John R. Valentine, Bryn Mawr, Pa.				

MATURE FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
18656	Dolly Dimple, 311	9,972	454.57	530	4.56
	Owned by C. W. Lewis & Sons, Alfred Station, N. Y.				
23864	Carston Evelina, 378 (2d ent.)	9,956	385.07	449	3.87
	Owned by J. W. Clise, Redmond, Wash.				
20054	Yarico 4th, 298	9,955	338.08	395	3.39
	Owned by Dudley Wells, Wethersfield, Conn.				
12039	Miss Ollie, 4	9,924	440.60	514	4.44
	Owned by L. S. Drew, So. Burlington, Vt.				
23303	Mamie Kilbowie, 513	9,920	385.95	450	3.88
	Owned by Good Hold Farm, Mentor, Ohio.				
18645	Rose Pender, 117	9,913	360.05	420	3.63
	Owned by Howard Cook, Beloit, Ohio.				
12094	Acelista, 8	9,906	361.71	422	3.77
	Owned by C. M. Winslow, Brandon, Vt.				
19109	Snowdrop 2d of Ste. Anne's, 373	9,903	386.99	451	3.91
	Owned by Conn. Agr'l College, Storrs, Conn.				
18337	Queen Bertha, 267	9,903	341.25	398	3.44
	Owned by Friends' Asylum, Frankford, Pa.				
21849	Babe Douglas, 71 (2d entry)	9,887	387.62	452	3.92
	Owned by Hill Top Farm, Wheeling, W. Va.				
15578	Flora 4th of Bonshaw, 143... ..	9,874	372.69	435	3.87
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
14030	Hetty Ayer, 125.....	9,858	474.52	554	4.81
	Owned by S. S. Karr & Son, Almond, N. Y.				
16298	Fern Ayer, 134	9,847	376.25	439	3.82
	Owned by John R. Valentine, Bryn Mawr, Pa.				
17461	Ada Rome, 118	9,835	351.38	410	3.57
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
11469	Xoa, 11 (2d entry)	9,804	333.83	390	3.41
	Owned by Geo. H. Yeaton, Dover, N. H.				
16466	Mary A. M. 2d, 130.....	9,782	347.01	405	3.48
	Owned by A. B. McConnell, Wellington, Ohio.				
12094	Acelista, 8 (2d entry).....	9,754	336.52	393	3.45
	Owned by C. M. Winslow, Brandon, Vt.				
23733	Flash Lass, 575.....	9,745	450.30	525	4.60
	Owned by Geo. B. Catlin, Burlington, Vt.				
18664	Cambric, 213	9,745	341.29	398	3.5
	Owned by Chas. J. Bell, Hollis, N. H.				
16051	Molly Fryer, 120	9,741	388.06	453	3.99
	Owned by Henry Dorrance, Plainfield, Conn.				
10770	Atlanta, 2	9,740	367.71	429	3.78
	Owned by Vermont Experiment Station, Burlington, Vt.				
19504	Yucca Douglas, 183 (2d ent.)	9,739	336.69	393	3.46
	Owned by Chas. J. Bell, Hollis, N. H.				
27670	Mamie D. 2d, 512.....	9,735	377.87	441	3.88
	Owned by A. B. McConnell & Sons, Wellington, Ohio.				
19894	Linda S., 193 (2d entry)....	9,726	378.96	442	3.89
	Owned by W. V. Probasco, Cream Ridge, N. J.				
18538	Jean of Claremont, 437.....	9,719	417.59	487	4.3
	Owned by Matthew Hannah, Brownsville, Vt.				
18364	May Hebron, 425 (2d entry)	9,718	393.02	459	4.04
	Owned by M. J. Karr & Son, Almond, N. Y.				



AGED COW CLASS AT NATIONAL DAIRY SHOW, 1910

MATURE FORM—Continued.

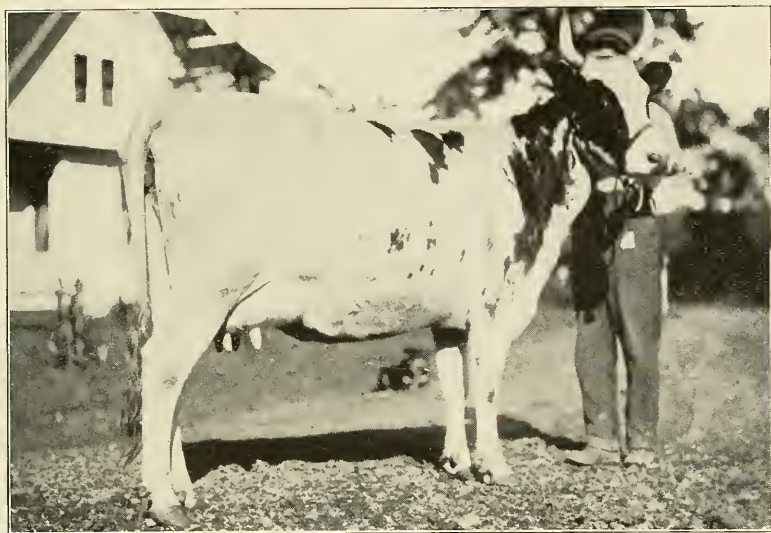
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
16020	Oshawa Lady, 136	9,695	363.22	424	3.75
	Owned by John R. Valentine, Bryn Mawr, Pa.				
21628	Jeanfield Fleckie 3d, 444....	9,693	352.31	411	3.68
	Owned by Percival Roberts, Jr., Narberth, Pa.				
15874	Miss Mabel D., 132.....	9,693	351.87	411	3.62
	Owned by C. M. Winslow, Brandon, Vt.				
20182	Starlass, 175 (2d entry)....	9,657	378.41	442	3.92
	Owned by John R. Valentine, Bryn Mawr, Pa.				
23862	Barcheskie Winsome, 422....	9,656	324.82	379	3.37
	Owned by J. W. Clise, Redmond, Wash.				
17018	Friskey of Bonshaw, 144 (2d entry)	9,645	397.29	464	4.12
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
13715	Crimsonia 2d, 129.....	9,645	357.44	417	3.71
	Owned by Geo. F. Stone, Littleton, Mass.				
22468	Ivan 2d, 457	9,623	360.35	420	3.75
	Owned by W. V. Probasco, Cream Ridge, N. J.				
20045	Jermia 2d, 372	9,616	339.59	396	3.53
	Owned by Dudley Wells, Wethersfield, Conn.				
17011	Daisy of Rosemont, 147 (2d entry)	9,585	390.	455	4.07
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
19327	Gipsy 1st of Whitehill, 374..	9,570	368.21	430	3.85
	Owned by J. F. Converse, Woodville, N. Y.				
20002	Zena J., 385	9,564	327.12	382	3.42
	Owned by Friends' Asylum, Frankford, Pa.				
29700	Bangora, 441	9,557	325.13	379	3.4
	Owned by Kansas State Agr'l College, Manhattan, Kan.				
18861	Bluebell of Ridgeside, 531..	9,535	388.76	454	4.08
	Owned by Branford Farms, Groton, Conn.				
16286	Lady Sam, 121	9,530	348.32	406	3.65
	Owned by Henry Dorrance, Plainfield, Conn.				
19489	Cora T. 3d, 90 (2d entry)...	9,488	400.59	467	4.22
	Owned by S. S. Karr & Son, Almond, N. Y.				
13473	Durline, 15	9,478	354.76	414	3.74
	Owned by J. J. Hill, St. Paul, Minn.				
27137	Beautiful Bella 2d, 395.....	9,475	377.09	440	3.99
	Owned by Good Hold Farm, Mentor, Ohio.				
17256	Lady Bell 4th, 91 (2d entry)	9,468	411.59	480	4.35
	Owned by John R. Valentine, Bryn Mawr, Pa.				
17013	Maggie of Radnor, 145.....	9,468	405.03	473	4.28
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
18000	Lady Bell of Spring Hill, 211	9,466	362.67	423	3.83
	Owned by S. S. Karr & Son, Almond, N. Y.				
22454	Queen Lill 2d, 268.....	9,459	344.70	402	3.64
	Owned by E. J. Fletcher, Greenfield, N. H.				
16290	Precilla Ayer, 279	9,458	403.82	471	4.27
	Owned by C. A. Griscom, Haverford, Pa.				
16533	Princess Beatrice 2d, 205....	9,450	372.77	435	3.94
	Owned by John R. Valentine, Bryn Mawr, Pa.				
17489	Eleanor Fay, 388	9,429	353.08	412	3.72
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
16204	Nancy Almond, 269	9,428	406.73	475	4.31
	Owned by S. S. Karr & Son, Almond, N. Y.				

MATURE FORM—Continued.

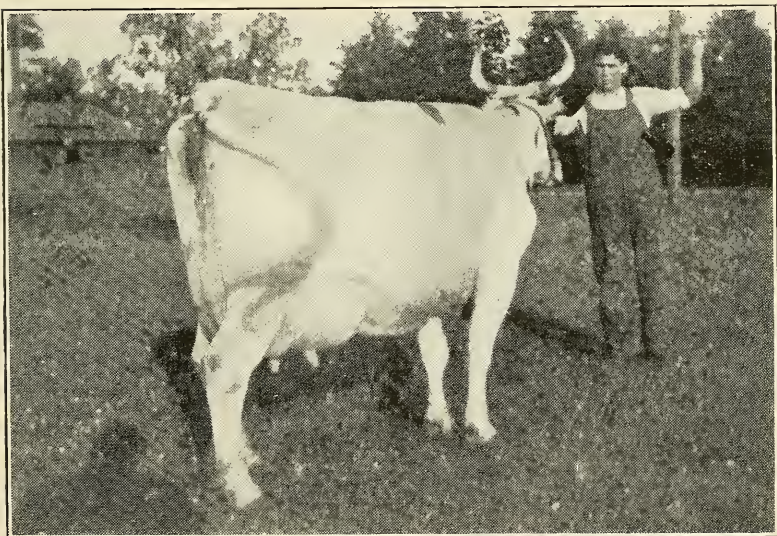
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
21094	Lady Star, 190 (2d entry) ..	9,425	349.47	408	3.71
	Owned by W. V. Probasco, Cream Ridge, N. J.				
16152	Avis, 128	9,424	327.81	382	3.48
	Owned by Geo. F. Stone, Littleton, Mass.				
20922	May Mitchell, 156	9,419	355.67	415	3.77
	Owned by Percival Roberts, Jr., Narberth, Pa.				
14705	Belle Nixon, 9	9,383	360.85	421	3.85
	Owned by Etna J. Fletcher, Greenfield, N. H.				
12473	Rena Webb, 135	9,366	363.24	424	3.88
	Owned by John R. Valentine, Bryn Mawr, Pa.				
15840	Meg of Picton Island, 546...	9,363	340.36	397	3.64
	Owned by John Sherwin, Cleveland, Ohio.				
18949	Addington Queen, 158	9,348	391.02	456	4.18
	Owned by Hill Top Farm, Wheeling, W. Va.				
19042	Viola Drummond 2d, 434...	9,327	344.62	402	3.7
	Owned by J. F. Converse, Woodville, N. Y.				
17861	Polly of Mauchlin, 123.....	9,321	364.87	425	3.91
	Owned by Conn. Agr'l College, Storrs, Conn.				
12357	Lukolela, 12	9,299	329.14	384	3.54
	Owned by Geo. H. Yeaton, Dover, N. H.				
24669	Oldhall Ladysmith 4th, 270.	9,293	451.20	526	4.86
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
12773	Iola Lorne, 17 (2d entry) ..	9,275	337.83	394	3.64
	Owned by C. M. Winslow, Brandon, Vt.				
21795	Irene Douglas, 189 (2d entry)	9,270	394.46	460	4.25
	Owned by Hill Top Farm, Wheeling, W. Va.				
17892	Letta Lind of Radnor, 81 (2d entry)	9,254	358.36	418	3.87
	Owned by Hill Top Farm, Wheeling, W. Va.				
16204	Nancy Almond, 269 (2d ent.)	9,249	398.91	465	4.21
	Owned by S. S. Karr & Son, Almond, N. Y.				
16189	Lillian Drummond 4th, 124.	9,239	369.68	431	4.
	Owned by L. C. Spalding & Son, Poultney, Vt.				
14952	Mysie of Barcheskie, 16....	9,228	337.	393	3.65
	Owned by W. V. Probasco, Cream Ridge, N. J.				
19749	Lily of Barclay, 405.....	9,225	344.89	402	3.74
	Owned by J. W. Clise, Redmond, Wash.				
18357	Rosie Hebron, 338	9,210	438.49	512	4.76
	Owned by M. J. Karr & Son, Almond, N. Y.				
18060	Sterling Silver, 206	9,192	406.42	474	4.42
	Owned by Percival Roberts, Jr., Narberth, Pa.				
16022	Hillside of Toledo, 157.....	9,179	330.37	385	3.65
	Owned by Hill Top Farm, Wheeling, W. Va.				
21637	Sauchrie Bell 3d, 463.....	9,173	359.92	426	3.92
	Owned by Hart Wallace, Shelbyville, Ky.				
15096	Queen of Barclay, 148.....	9,172	352.86	412	3.84
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
21546	Lady Ostrom 2d, 574.....	9,167	384.42	449	4.19
	Owned by Good Hold Farm, Mentor, Ohio.				
17011	Daisy of Rosemont, 147.....	9,164	345.01	402	3.76
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
19754	Bonnie 2d of Radnor, 41 (2d entry)	9,164	342.58	400	3.74
	Owned by J. W. Clise, Redmond, Wash.				

MATURE FORM—Continued.

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
20070	Princess Ena, 454	9,151	381.24	445	4.17
	Owned by J. F. Converse, Woodville, N. Y.				
20722	Lady's Princess of Menie, 420	9,150	332.46	388	3.68
	Owned by Ashley Farm, Media, Pa.				
27109	Kilbowie 2d of Glenhurst, 462	9,137	368.49	430	4.03
	Owned by P. Ryan, Brewster, N. Y.				
20346	Rose Dukina, 570	9,124	325.90	380	3.57
	Owned by Francis Lynde Stetson, Sterlington, N. Y.				
27944	Garclaugh May Mischief, 541	9,123	331.14	386	3.63
	Owned by Percival Roberts, Jr., Narberth, Pa.				
21686	Castlemain's Nancy 2d, 216 (2d entry)	9,120	331.79	387	3.64
	Owned by Percival Roberts, Jr., Narberth, Pa.				
20214	Vera 2d, 470	9,111	337.58	394	3.71
	Owned by Geo. F. Stone, Littleton, Mass.				
14196	Carrie Hebron, 486	9,109	362.14	422	3.98
	Owned by M. J. Karr & Son, Almond, N. Y.				
21359	Bell Ayer of Sunnyside, 399	9,108	368.56	430	4.05
	Owned by C. W. Lewis & Son, Alfred Station, N. Y.				
11469	Xoa, 11	9,090	331.71	387	3.65
	Owned by Geo. H. Yeaton, Dover, N. H.				
14554	Inez Douglas, 14	9,089	410.81	479	4.52
	Owned by Howard Cook, Beloit, Ohio.				
19507	Lady Burton, 184 (2d entry)	9,086	322.31	376	3.55
	Owned by Chas. J. Bell, Hollis, N. H.				
20038	Dolly Inglis, 379	9,081	403.88	471	4.44
	Owned by Dudley Wells, Wethersfield, Conn.				
20432	Bell Alwood, 347	9,057	361.27	421	3.99
	Owned by Good Hold Farm, Mentor, Ohio.				
15579	Lily 4th of Fairfield Mains, 149	9,054	343.76	401	3.8
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
16538	Clarrissa Lorain, 131	9,051	328.95	384	3.63
	Owned by A. B. McConnell & Sons, Wellington, Ohio.				
17454	Anna Webb, 271	9,048	342.50	400	3.78
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
21703	Woodside May, 199	9,042	377.31	440	3.17
	Owned by J. W. Clise, Redmond, Wash.				
20985	White Lily of Menie, 314... ..	9,039	394.90	461	4.36
	Owned by Ashley Farm, Media, Pa.				
15914	Amy Ayer, 309	9,036	356.29	416	3.94
	Owned by S. S. Karr & Son, Almond, N. Y.				
19517	Lady Hollis 2d, 360	9,002	299.85	350	3.33
	Owned by Chas. J. Bell, Hollis, N. H.				
23864	Carston Evelina, 378	8,965	357.50	417	3.99
	Owned by J. W. Clise, Redmond, Wash.				
17024	Lizzie of Barclay, 116 (2d entry)	8,957	395.70	462	4.42
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
15845	Nancy of Picton Island, 543. ..	8,942	356.83	416	3.99
	Owned by John Sherwin, Cleveland, Ohio.				
24095	Starline of Wellington, 345. ..	8,910	383.93	448	4.3
	Owned by A. E. McConnell & Sons, Wellington, Ohio.				



TORRS SIBELLA
Owned by J. W. Ogden, Morristown, N. J.



NETHERHALL JEAN 3RD
Owned by J. W. Clise, Redmond, Wash.
Mature class, 10,920 lbs. of milk, 43,333 lbs. of fat, equal to 506 lbs. of
butter with 3.97 per cent. fat.

MATURE FORM—Continued.

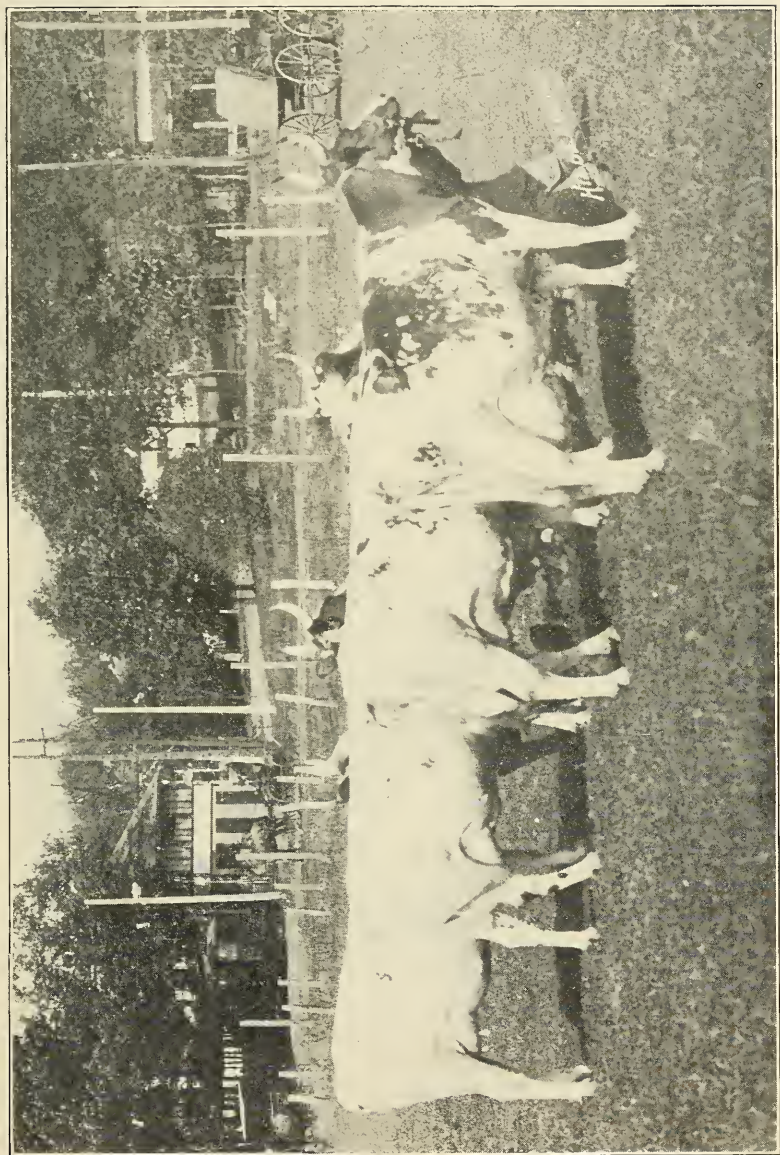
		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
21427	Finlayston Cherry 6th, 155..	8,903	335.72	392	3.77
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
21849	Baby Douglas, 71 (3d entry)	8,892	359.6	420	4.04
	Owned by Hill Top Farm, Wheeling, W. Va.				
20500	Margaret of Rathalla, 353 (2d entry)	8,881	332.55	388	3.75
	Owned by Hart Wallace, Shelbyville, Ky.				
18081	Delia Melrose, 555	8,874	329.68	385	3.72
	Owned by Hart Wallace, Shelbyville, Ky.				
20630	Ena Drummond, 394	8,839	357.88	418	4.05
	Owned by Hill Top Farm, Wheeling, W. Va.				
23869	Gateside Dandy 7th, 424....	8,812	331.71	387	3.76
	Owned by J. W. Clise, Redmond, Wash.				
12773	Iola Lorne, 17	8,806	335.35	391	3.81
	Owned by C. M. Winslow, Brandon, Vt.				
20052	Ailie, 410	8,791	334.80	391	3.8
	Owned by Dudley Wells, Wethersfield, Conn.				
9581	Nancy B., 3	8,782	356.56	416	4.14
	Owned by Vermont Experiment Station, Burlington, Vt.				
17018	Friskey of Bonshaw, 144....	8,767	374.41	437	4.27
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
13032	Himona, 7	8,765	376.30	439	4.26
	Owned by Etna J. Fletcher, Greenfield, N. H.				
17874	Netherwood Empress, 272..	8,762	390.50	456	4.46
	Owned by Hill Top Farm, Wheeling, W. Va.				
15262	Bertha M., 126	8,754	365.84	427	4.18
	Owned by S. S. Karr & Son, Almond, N. Y.				
16056	Flossie A., 213	8,731	341.01	398	3.9
	Owned by Good Hold Farm, Mentor, Ohio.				
19216	Brown Eyes of Knockdon, 150	8,724	354.	413	4.05
	Owned by Geo. H. McFadden, Bryn Mawr, Pa.				
20322	Sly Cordelia 2d, 274.....	8,711	355.25	414	4.08
	Owned by Hill Top Farm, Wheeling, W. Va.				
23075	Sarah Hebron, 367 (2d ent.)	8,709	425.85	497	4.89
	Owned by M. J. Karr & Son, Almond, N. Y.				
13606	Cad's Beauty, 6	8,702	382.30	446	4.39
	Owned by Etna J. Fletcher, Greenfield, N. H.				
24991	Gateside Wallace 6th, 386..	8,696	350.22	409	4.03
	Owned by J. W. Clise, Redmond, Wash.				
18679	Agnese Sebastian, 107 (2d entry)	8,660	328.43	383	3.79
	Owned by J. F. Butterfield Co., So. Montrose, Pa.				
26099	Miss Erica, 428	8,653	351.41	410	4.06
	Owned by J. W. Ogden, Morristown, N. J.				
21704	Lady Bruce, 200	8,648	326.46	381	3.71
	Owned by J. W. Clise, Redmond, Wash.				
13318	Alcyone of the Plain, 122....	8,646	322.91	377	3.74
	Owned by Conn. Agr'l College, Storrs, Conn.				
15564	Ruby Russell, 119	8,643	325.86	382	3.77
	Owned by Henry Dorrance, Plainfield, Conn.				
11476	Roanette, 10	8,638	331.71	387	3.84
	Owned by L. S. Drew, So. Burlington, Vt.				

MATURE FORM—*Continued.*

		Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	% Fat.
16535	Lady Bell 2d, 137..... Owned by John R. Valentine, Bryn Mawr, Pa.	8,628	352.57	411	4.09
21690	Morton Mains Faustina Scaiffe, 442 Owned by Percival Roberts, Jr., Narberth, Pa.	8,623	332.57	387	3.86
17533	Miss Lulian of Barcheskie, 275 Owned by J. A. Ness, Auburn, Me.	8,616	334.44	390	3.89
21349	Iona Melrose, 565 Owned by Friends' Asylum, Frankford, Pa.	8,607	324.01	378	3.76
26998	Lessnessock Stylish Dairy Flora 2d, 567 Owned by F. N. Dow, Portland, Me.	8,583	327.38	382	3.81
24547	Princess of Woodstock, 533. Owned by Branford Farms, Groton, Conn.	8,578	337.82	394	3.94
16534	Oshawa Lass of Highland, 138 Owned by John R. Valentine, Bryn Mawr, Pa.	8,561	324.	378	4.02
15105	Lady Browning, 151 Owned by Geo. H. McFadden, Bryn Mawr, Pa.	8,531	321.88	376	3.77
30882	Erica 3d, 538 Owned by Branford Farms, Groton, Conn.	8,526	323.57	378	3.8
21628	Clockston Bella 2d, 152..... Owned by Geo. H. McFadden, Bryn Mawr, Pa.	8,509	353.05	412	4.15
11470	Yucca, 13 Owned by Geo. H. Yeaton, Dover, N. H.	8,502	323.14	377	3.8
17457	Ruth Webb, 276 Owned by J. F. Butterfield Co., So. Montrose, Pa.	8,500	342.74	400	4.03
15033	Lulu Avondale, 24 (2d entry) Owned by C. M. Winslow, Brandon, Vt.	8,326	335.82	392	4.03
The average of the two year					
	old form is	209	7,640	306.72	358 4.
The average of the three year					
	old form is	118	8,809	347.98	406 3.95
The average of the four year					
	old form is	82	9,310	365.85	427 3.93
The average of the mature					
	form is	275	10,286	399.84	462 3.81
The average of the whole,					
	cows and heifers is.....	684	9,105	356.89	416 3.92

A COMPLETE LIST OF ALL BULLS WHOSE DAUGHTERS HAVE QUALIFIED FOR ADVANCED REGISTRY.

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
7312	6	Nox'emall	27	253,273	9,770.74	11,396	3.85
8289	19	Earl's Choice of Spring Hill.....	27	236,882	10,162.74	11,827	4.28
5533	13	Major Ayer	16	171,844	7,074.78	8,255	4.12
8882	30	Finlayston	16	161,863	6,693.69	7,801	4.14
8228	7	Moonstone of Drumsule	19	160,885	6,574.93	7,669	4.09
7168	14	Colonel Ayer	17	144,306	5,977.67	6,974	3.90
8261	25	Clarence's Star	10	91,673	3,348.42	3,908	3.67
7670	9	Geo. of Rosemont	10	84,478	3,381.69	3,946	4.04
7410	33	Vicar of Wakefield.....	8	82,814	3,073.37	3,585	3.71
6269	16	Sebastian	9	81,479	3,117.72	3,637	3.86
9160	74	Crimson Boy	9	79,742	3,053.83	3,562	3.86
6517	42	Major Acme	7	79,269	2,822.97	3,294	3.58
6711	15	Prince of Barclay	8	75,086	3,224.14	3,761	4.27
7872	21	John Doland	7	74,975	2,968.55	3,264	3.99
8419	45	Moonstone	9	74,351	3,075.07	3,586	4.14
7727	52	Inghis	7	72,468	2,658.21	3,102	3.71
6878	26	Yucca Lad	7	69,199	2,475.35	2,888	3.59
9370	71	Howie's Fizzaway	9	68,280	2,755.99	3,216	4.07
6376	32	Lord Douglas 1 of Maple Grove..	6	64,307	2,506.34	2,923	3.89
4535	1	Nonpareil	6	60,766	2,175.	2,537	3.61
6038	2	Reynard	8	57,746	2,166.69	2,522	3.79
6180	4	Duke of Ayer	7	57,552	2,290.09	2,672	3.99
10348	76	Holehouse White King	7	55,436	1,993.80	2,336	3.62
6342	49	White Chief of Ste Anne's.....	7	54,090	2,119.09	2,472	3.93
9045	27	Hollis Martinot.....	5	53,299	1,925.51	2,249	3.61
7225	11	Oshawa of Highland.....	6	53,020	2,211.21	2,580	4.17
6710	23	Clover Leaf	6	51,571	1,931.80	2,258	3.78

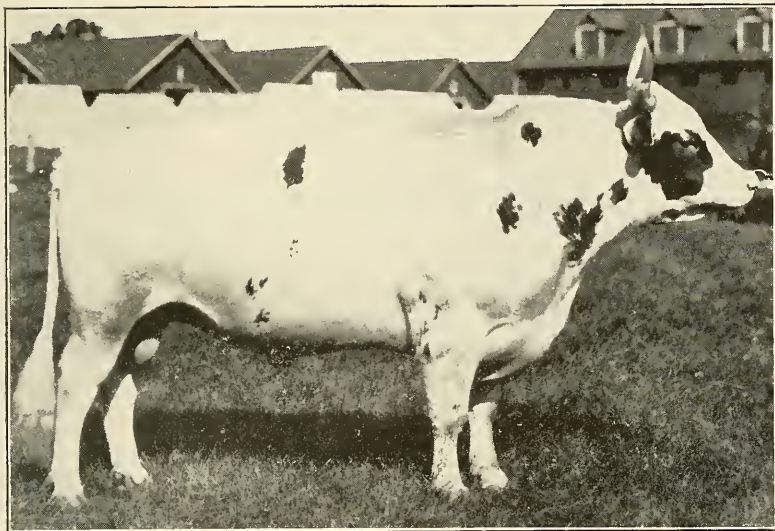


CHAMPION QUARTET AT WATERLOO, 1911
Owned by J. W. Clise, Redmond, Wash.

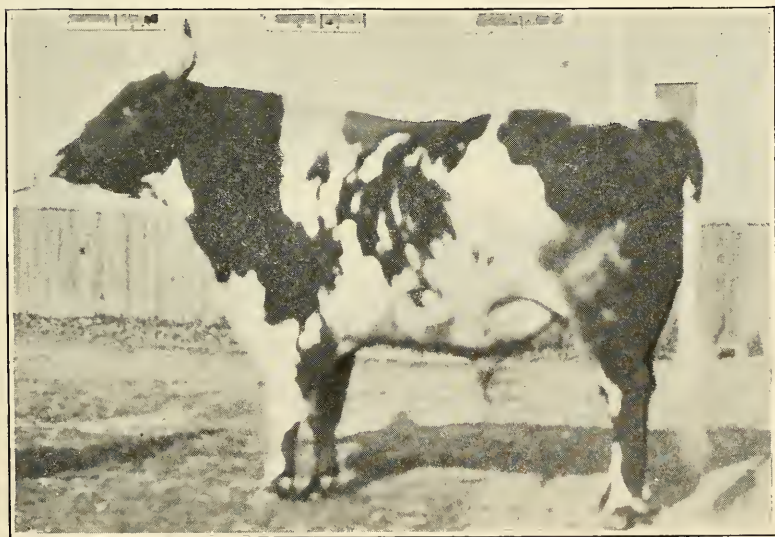
Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
6775	17	Beloit Ayer	5	50,998	2,000.78	2,334	4.55
8080		Duke of Littleton	5	48,147	1,730.24	2,019	3.62
8869	50	Henry of Barclay	5	48,130	1,801.33	2,102	3.74
6948	58	Sprightly Boy of Hickory Hill	5	44,320	1,829.48	2,134	4.14
6234	60	Dandy Webb	4	43,954	1,623.28	1,894	3.83
"6410"		Torrs Mayor	5	43,205	1,722.73	2,011	3.98
6548	29	Solitaire	4	42,282	1,552.42	1,811	3.66
7075		Starlight	4	41,597	1,579.54	1,843	3.75
6586	57	Duke of Almond	4	40,686	1,675.15	1,955	4.14
9855	72	Howie's Dairy King	5	40,679	1,595.47	1,863	3.96
9608	73	Lessnessock Royal Star	5	37,476	1,564.29	1,826	4.23
"3607"		Lord Nelson of Ardgowan	3	33,007	1,265.61	1,477	3.83
"4583"		Rising Star of Auchenbrain	3	32,789	1,362.01	1,688	4.16
10360	55	Johnny J.	4	30,370	1,233.40	1,439	4.08
6634	8	Carbello	4	30,312	1,085.49	1,267	3.64
7272	31	Harcourt of B.	3	29,429	1,149.78	1,341	3.83
9687	77	King of Netherhall	4	29,226	1,145.55	1,337	3.93
8718	53	Drummondine	3	29,145	1,091.53	1,376	3.74
"4021"		Prince Robert of Holehouse	3	28,744	1,194.26	1,394	4.26
8283	41	Glenora Mint	3	28,509	1,176.90	1,257	3.73
6708	37	Dewey Auchencrain	3	28,138	1,156.40	1,450	4.10
10448	75	Earl of Almond	4	27,978	1,179.31	1,375	4.28
7662	47	Dunraven of Ste. Anne's	3	27,859	1,136.71	1,326	4.08
9457		Cleg	3	27,749	1,139.67	1,330	4.12
6705	43	Tam Oshanta	3	26,639	1,059.34	1,224	4.02
7135	46	Joker	3	26,213	927.76	1,083	3.84
7672		Bob of Radnor	2	25,808	977.11	1,140	3.82
6248	5	Glencalm of Ridgeside	3	25,011	985.30	1,150	3.93
8651	56	Doc Ayer of Sunnyside	3	24,647	1,007.65	1,175	4.08

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
9131	62	Moonstone 2d of Barclay	3	24,439	1,042.81	1,216	4.36
5651	12	Twister	3	24,364	886.73	1,034	3.64
"4602"		General Macdonald of Hillhouse..	2	23,951	923.55	1,078	3.85
11009		Lord McAllister of Glenora.....	2	22,700	937.70	1,094	4.15
6083		Yarmouth	2	22,411	856.05	998	4.31
7202		Bill McDermott	2	21,915	800.45	934	3.66
7502	24	Judge Mitchell	3	21,817	821.46	958	3.76
"5333"		Gardrum Darnley	2	21,586	812.04	948	3.77
10020	63	Lessnessock Douglas Monarch...	3	21,479	881.94	1,029	4.10
"5297"		Skaith General Knox 1st.....	2	21,178	774.44	904	3.66
"5027"		McQuittiston General French.....	2	21,161	731.31	853	3.48
6762		Douglas of Loudoun	2	21,127	815.23	951	3.85
"2760"		Sir Thomas of Auchenbraim.....	2	21,078	811.73	946	3.86
"4779"		Sergeant Major of Castlemains...	2	20,887	768.80	897	3.68
7070		Cock-a-Bendie	2	20,878	824.24	962	3.99
7315		Bonnie Briar	2	20,861	828.59	966	3.98
"4900"		St. Simon of Auchenbraim.....	2	20,418	874.74	1,020	4.30
9456		Roy Lugs	2	20,323	790.15	921	3.89
"2912"		Yellow Squire of Castlehill.....	2	20,272	791.61	924	3.94
4213		Linwood	2	20,179	788.47	920	3.89
9920	3	Prince Charlie	2	19,908	889.35	1,038	4.45
8479	64	Prince of Sand Hill.....	2	19,714	858.07	1,002	4.55
"4573"		Burnock King of Finlayston.....	2	19,662	781.83	912	3.96
7178		Kelvyn	2	19,618	697.80	814	3.57
4692	18	Calmar	2	19,311	671.11	783	3.48
4841	35	Jasper	3	19,271	665.54	792	3.53
8862		Chief of Drumcap	2	19,205	636.89	743	3.32
"5568"		Carsion Sir David	2	18,921	742.57	866	3.98
7271	48	Goldfinder	2	18,890	721.49	842	3.78

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
7398	20	Jo Smith	2	18,833	675.96	789	3.56
"2903"		Travellers Heir	2	18,749	735.01	857	3.92
8662		Jumbo of Radnor	2	18,467	712.97	832	3.86
6801	40	Prince of Rome	2	18,146	823.23	960	4.54
9740	61	Alfred Star	2	18,111	771.72	773	3.71
"3830"		Prince Imperial of Netherhall....	1	18,110	820.91	958	4.53
8834		White Pete	2	18,004	613.65	716	3.41
11193	67	Albert Cook	2	17,770	663.58	774	3.74
9250		Mornington Cannon	2	17,608	723.37	844	8.22
7346	28	Black Douglas of Lyndeboro....	2	17,600	633.87	739	3.60
5462	34	Dandy Webb	2	17,548	685.24	800	3.91
"4641"		St. Malcolm of Mansurae.....	2	17,508	681.93	796	3.90
6886	39	Castleton	2	17,212	631.06	736	3.66
6904	38	Essex Boy	2	17,119	666.76	778	3.88
9728		Statesman of Spring Hill	2	16,617	725.81	847	4.36
9954		Howie's Flash Light	2	16,471	630.91	736	3.85
10034	69	Barcheskie Copestone	2	16,205	584.69	683	3.62
"5927"		Nether Craig Spicy Sam.....	2	15,971	725.64	846	4.50
9535	51	Barcheskie King's Own	2	15,970	654.82	764	4.20
5892	36	Oil Prince	2	15,631	641.69	748	4.11
9823		Jerome	2	15,616	622.63	727	3.98
9727	65	Bannerman of Spring Hill.....	2	15,502	696.94	814	4.50
9726		Lessnesock King of Beauty.....	2	15,309	657.06	766	4.13
9565	59	Corrector	2	15,263	618.67	722	4.11
10011		Jean's Canuck	2	15,078	542.70	633	3.61
8970	70	Hugh of Barelay	2	14,963	631.73	738	4.25
8922	66	Loder	2	14,615	527.49	615	3.60
8143	54	Donovan	2	14,255	555.15	647	3.89
7337		Kelso Lad	1	13,956	518.71	605	3.72



BARGENOCH GAY CAVALIER
Champion at Wisconsin State Fair, 1910
Owned by Adam Seitz, Waukesha, Wis.



BARCHESKIE'S COPESTONE
Owned by J. A. Ness, Auburn, Me.

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
9642		White Duke of Frankford.....	2	13,750	617.42	720	3.95
8860	44	Netherhall Macdonald	2	13,743	558.72	651	4.07
"4542"		Burnhouses of Auchenbrack.....	1	13,097	532.87	622	4.07
"4899"		Ringleader of Auchenbrack.....	1	12,995	468.42	547	3.60
"6090"		Bogwood Prince	1	12,969	491.38	573	3.79
9619	68	St. Louis	2	12,551	484.45	566	3.86
6044	10	Rothage	2	12,537	498.86	582	3.97
10037		Henry Drummond	1	12,423	408.68	477	3.29
5730		Aldine's Dandy	1	12,392	456.25	532	3.76
7169		Scotty	1	12,230	511.44	597	4.18
3355		Emperor	1	12,172	468.	546	3.84
6903		Umpire S.	1	12,044	429.35	501	3.56
7411		Arthes S.	1	11,585	399.37	466	3.45
8590		Rodrick Dhu	1	11,463	417.71	487	3.64
9186		Spotted Shylcock	1	11,374	409.39	478	3.60
6873		Bingle	1	11,309	386.55	451	3.42
5002		Jacob	1	11,115	438.88	512	3.94
8072		Blair Athol of Ste. Anne's.....	1	10,859	413.15	482	3.81
6574		Gen. Coxey	1	10,859	394.76	461	3.63
"5531"		Howie's Spicy Robin	1	10,800	404.56	472	3.75
"4861"		Major of Southwick	1	10,748	368.53	430	3.43
7087		Cloverdale Prince	1	10,615	358.13	418	3.37
8904		Chercoke	1	10,587	432.48	505	4.08
"4034"		General of Carnigillan	1	10,564	392.46	458	3.72
8295		Rapid's Wonder	1	10,554	391.74	457	3.75
"4108"		Bright Smiles of Netherraig....	1	10,507	394.90	461	3.76
5543		Prince of Hillside	1	10,409	401.28	468	3.85
5574		Carlton Omega	1	10,298	351.70	410	3.44
"4035"		Sir John of Old Grathney.....	1	10,282	375.34	438	3.65

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
5134		Lord Mar	1	10,200	386.57	451	3.79
"7384"		Torrs Trueman	1	10,157	392.76	458	3.86
7315		Riverside King	1	10,103	406.90	475	4.02
9035		Barcheskie King's Crest	1	10,101	449.84	525	4.45
"4846"		Royalist of Dunjop	1	10,100	369.95	432	3.66
"4350"		Good Hope of Auchebraun	1	10,092	392.35	458	3.88
6875		Glengary of Chateaugay	1	10,082	394.12	460	3.90
8463		Happy Lad	1	10,078	396.29	462	3.93
7208		Charlemont	1	10,068	382.99	447	3.80
10258		Pride of Hillview	1	10,032	392.89	458	3.92
3965		Invermore	1	9,924	440.60	514	4.44
"7140"		Beuchan Peter Pan	1	9,914	334.87	391	3.38
6997		Colonel Crawford	1	9,913	360.05	420	3.63
8795		Castlehill	1	9,903	386.99	451	3.91
6199		Americus	1	9,903	341.25	398	3.44
"3193"		Royal Kyle of Bonshaw	1	9,874	372.69	435	3.87
"6196"		Auchebraun Drummie	1	9,842	469.43	548	4.77
6067		Duke of Rome	1	9,835	351.38	410	3.57
9460		Sir Roger K.	1	9,745	450.30	525	4.60
7259		Quampegan	1	9,745	341.29	398	3.50
5624		Prince Lion	1	9,741	388.06	453	3.99
4328		Albermarle	1	9,740	367.71	429	3.78
7103		Marquis of Danville	1	9,719	417.59	487	4.30
7179		Eva's Heir	1	9,695	363.22	424	3.75
4678		Beppo	1	9,693	351.87	411	3.62
"5257"		Jeanfield Traveller	1	9,693	352.31	411	3.68
5707		Vinewood Drummond	1	9,645	357.44	417	3.21
7364		White Chief of Alfred	1	9,564	372.12	382	3.42
9549		White Prince	1	9,557	325.13	379	3.40

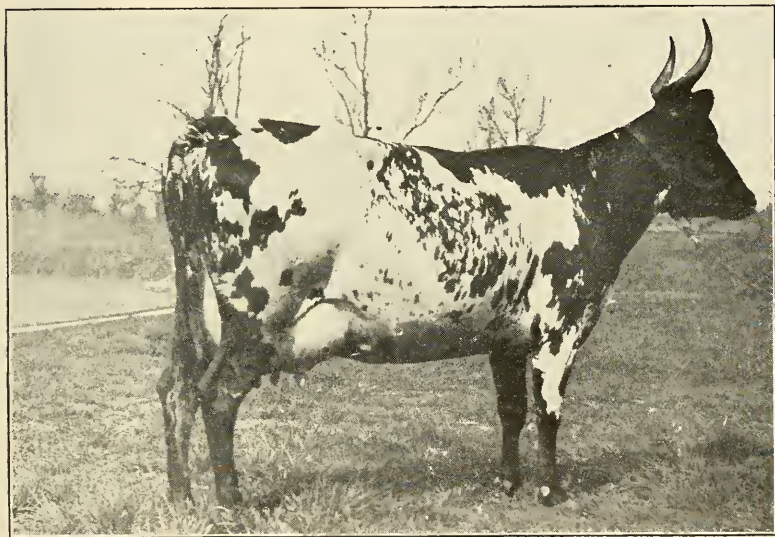
Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
6565		Spotted Sam	1	9,530	348.32	406	3.65
"4200"		Shamrock of Bonshaw	1	9,408	405.13	473	4.28
7373		Addison	1	9,455	322.44	377	3.41
8949		Spotted Reliance	1	9,413	352.61	411	3.75
"4352"		General Buller of Broomhill	1	9,409	384.20	448	4.08
5657		Hester Boy	1	9,383	360.85	421	3.85
4658		Sir Webb	1	9,366	363.24	424	3.88
8725		Dean Wallbridge	1	9,348	391.02	456	4.18
5580		Jerry Drummond	1	9,324	344.62	402	3.70
"5543"		Oldhall Forest Chief	1	9,293	451.20	526	4.86
6640		Duke Clarence of Barcheskie	1	9,259	313.03	365	3.38
10357		Spike	1	9,252	341.53	398	3.69
"2508"		Barr of Kirkchrist	1	9,228	337.	393	3.65
"5135"		Garclaugh Substance	1	9,224	341.61	399	3.70
7743		Silver Prince of St. Louis	1	9,192	406.42	474	4.42
5341		Refuge	1	9,179	330.37	385	3.65
"4569"		Baden Powell of Barmoorhill	1	9,173	359.92	420	3.92
7280		Drew's Best	1	9,167	384.42	449	4.19
7376		Prince of Barcheskie	1	9,150	332.46	388	3.68
9880		Cross of Knockdon	1	9,137	368.49	430	4.03
8906		Revelstone	1	9,124	325.90	380	3.57
"6016"		Garclaugh Herd Laddle	1	9,123	331.14	386	3.63
7572		Gold Standard	1	9,111	337.58	394	3.71
5729		Johnny D.	1	9,109	362.14	422	3.98
5698		Queen's Boy	1	9,089	410.81	479	4.52
10010		Rob Roy	1	9,077	347.02	405	3.82
7873		Atwood	1	9,057	361.27	421	3.99
"3837"		Baron's Heir of Fairfield Mains	1	9,054	343.76	401	3.80
8923		Dorman	1	8,995	361.12	421	4.02
9228		Full Bloom of Hindsward	1	8,904	385.04	449	4.30



LETA OF AVON

Owned by Mrs. F. D. Erhardt, West Berlin, Vt.

Four year old class. 11,062 lbs. of milk, 452.67 lbs. of fat equal to 528 lbs. of butter with 4.09% fat.



MCALISTER'S BETTY

Owned by Percival Roberts, Jr., Narberth, Pa.

Four year old class. 14,208 lbs. of milk, 581.41 lbs. of fat, equal to 678 lbs. of butter with 4.09% fat.

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
11300		John Bell	1	8,828	307.52	359	3.48
"7045"		Netherhall Timekeeper	1	8,826	361.75	421	4.10
4099		Buffalo Bill	1	8,782	356.56	416	4.14
4999		Hiro	1	8,765	376.30	439	4.26
7621		Gerts Boy	1	8,762	390.50	456	4.46
8446		Gold Finch	1	8,711	355.25	414	4.08
5545		Cad's Charley	1	8,702	382.30	446	4.39
12057		Hanlan of Riverside	1	8,653	351.41	410	4.06
8773		Mauchlin of Storrs	1	8,650	322.12	376	3.72
4955		Pekin	1	8,646	322.91	377	3.74
6122		Hillside Boy	1	8,643	325.86	382	3.77
4335		Tascott	1	8,638	331.71	387	3.84
"5138"		Wynholm Dinning	1	8,623	332.57	387	3.86
8158		Tom Kilbowie	1	8,607	324.01	378	3.76
9541		Lord Glencoe	1	8,586	355.11	414	4.13
8976		Prize Defender	1	8,585	338.56	395	3.94
"5841"		Lessnessock Marshal Oyama	1	8,583	327.38	382	3.81
11416		Bob of St. Louis	1	8,578	337.82	394	3.94
6704		Royalty of Monkland	1	8,531	321.88	376	3.77
13961		Lord Alta	1	8,526	323.57	378	3.80
8484		Coxie Hebron	1	8,516	356.51	416	4.19
"5338"		Ailsa of Kirkchrist	1	8,509	353.05	412	4.15
8224		Enosburg	1	8,508	306.35	358	3.60
6799		Lord Clifden	1	8,507	287.51	335	3.38
5156		Jerry Grant	1	8,502	323.14	377	3.80
9483		Loyal Duke of Ridgeside	1	8,441	321.82	375	3.81
"6329"		Nethereraig High Tide	1	8,326	319.13	372	3.84
10395		Duke of Hillcroft	1	8,287	330.43	386	3.99
"5540"		Beuchan Gay Lad	1	8,191	308.34	360	3.77
7446		Mack Wellington	1	8,163	338.02	394	4.14

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
"6486"		Howie's Conductor	1	8,163	292.24	341	3.59
"4873"		Sirdar of Barleigh.....	1	8,158	298.98	349	3.65
7346		Douglas of Lyndeboro	1	8,141	289.17	337	3.55
"6445"		Lessnessock Sir Andrew	1	8,132	321.06	375	3.95
11447		Netherhall Good Time	1	8,104	327.48	382	4.08
"6312"		Barleith General	1	8,086	335.94	392	4.15
"5721"		Castlemains Dandy Bob.....	1	8,083	317.14	370	3.92
7784		Melno	1	8,072	295.94	345	3.67
"5217"		Borrowmoss Campfollower.....	1	8,056	324.09	378	4.02
8000		Kermit	1	8,050	388.11	453	4.20
"7149"		Chapmanton Recorder	1	8,050	310.70	362	3.86
9438		Earl of Sand Hill	1	8,034	353.69	413	4.40
"5665"		Barcheskie May King	1	7,981	347.87	406	4.36
9833		Kleber	1	7,981	279.98	327	3.51
13966		Marconi	1	7,972	302.23	353	3.79
"6331"		Jeanfield Prince Charlie	1	7,963	347.70	406	4.37
"5156"		Auchenbrain William.....	1	7,962	299.13	349	3.76
8413		King Jerry	1	7,961	295.65	345	3.71
"6245"		Monkland Guarantee.....	1	7,878	343.07	400	4.63
"6225"		Castlemains's Good Enough.....	1	7,847	280.12	327	3.57
8738		Bruce of Burnside	1	7,807	320.05	373	4.10
6191		Stonewall Douglas	1	7,807	312.80	365	4.01
10261		Moonshine of Barclay.....	1	7,763	350.78	409	4.52
8226		Mitchell of Home Hill.....	1	7,725	307.04	358	4.11
9376		Fair View Chief	1	7,621	331.40	387	4.34
10000		Howie's Majestic	1	7,588	283.58	331	3.74
5356		Retlaw	1	7,583	288.98	337	3.81
"6290"		Howie's Grandeur	1	7,554	310.82	363	4.12
7819		Pride of Ayer	1	7,550	320.36	374	4.24
"6769"		Southwick Bonnie Scotland.....	1	7,535	303.79	354	4.03

Ayrshire Record No.	Advanced Registry No.	Name of Bull.	Total Cows in A. R.	Total Lbs. Milk.	Total Lbs. Fat.	Total Lbs. Butter.	Average % Fat.
8954		Red Lad	1	7,524	305.21	356	4.05
7542		Ashmont	1	7,497	250.10	292	3.34
"7838"		Straith Principal	1	7,454	296.55	346	3.98
"7595"		Whiteside Oyama's Pride	1	7,439	315.42	368	4.24
7970		Monark of Verbank	1	7,439	302.54	353	4.07
5652		Covington	1	7,409	270.67	316	3.65
7514		Gold Bug	1	7,330	261.02	304	3.56
6926		Isaleigh Osborne of Castle Hill. .	1	7,324	330.86	386	4.52
"6715"		Bargenoch Gay Cavalier	1	7,272	311.63	364	4.29
10172		Ben of Brookdale	1	7,218	280.52	327	3.89
9393		Butternut Boy	1	7,095	278.35	325	3.92
7488		Coxie	1	7,077	236.80	276	3.35
"7196"		Hindsward Cockayne	1	7,064	256.69	299	3.66
9756		Robert K.	1	6,988	297.68	347	4.26
8967		Wedgewood Jr.	1	6,946	246.86	288	3.55
9857		Patrick Bell of Sunnyside	1	6,759	277.28	323	4.10
9768		Woodroffe Pure Gold	1	6,751	231.91	271	3.43
5825		Rudolph	1	6,707	262.93	307	3.92
"6661"		Laue Fail Me Never	1	6,625	288.51	337	4.36
11176		Kleschna of Beech Hill	1	6,494	248.21	290	3.82
7240		Benedict Arnold	1	6,485	256.16	299	3.95
6447		Barclay's Majestic	1	6,447	245.77	287	3.81
6013		Leroy Jo. Jo.	1	6,321	251.75	294	3.98
8306		A 1 of Deutonia	1	6,259	266.16	310	4.25
10729		Lindale	1	6,222	236	275	3.80
9221		Frisky	1	6,114	258.86	302	4.24
8357		Lord Elmhurst	1	6,034	251.69	294	4.17
7045		Warfield	1	5,504	214.60	250	3.90



WILLOWMOOR ROBIN HOOD
Owned by J. W. Clise, Redmond, Wash.



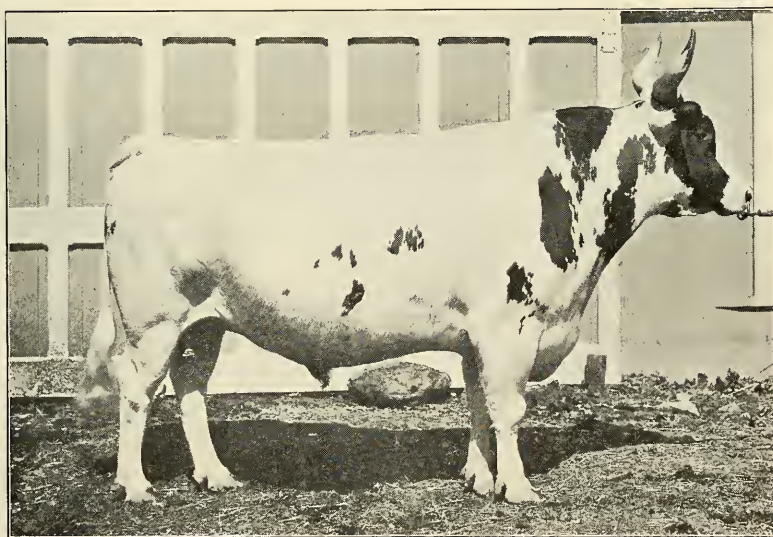
SHIEL RUNAWAY 2ND
Owned by Arthur H. Sagendorph, Spencer, Mass.

The following is a complete list of the official Advanced Registry cows that have qualified for registry in two or more full year tests. Many of these cows are entitled to cumulative record for consecutive freshenings with not more than an average of fifteen months between calvings.

FIVE YEARS' RECORD.						
Name.	Owner.	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	Average Pct. Fat.	
Crimson Rambler.	Geo. F. Stone,	*48,147	1,730.24	2,019	3.62	
FOUR YEARS' RECORD.						
Name.	Owner.	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	Average Pct. Fat.	
Acclista, Lady Wonder 4th,	C. M. Winslow, Francis L. Stetson,	*42,685 41,597	1,501.82 1,579.55	1,751 1,843	3.55 3.76	
THREE YEARS' RECORD.						
Name.	Owner.	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	Average Pct. Fat.	
Midget of Sand Hill, Bessie of Rosemont, Primrose, Eugenie Douglas, Queen of Barclay, Esthon Douglas, Friskey of Bonshaw, Mabelle of Highland, Baby Douglas, Crimson Maid, Crimson Avis,	S. S. Karr & Son, Geo. H. McFadden, Percival Roberts, Jr., John R. Valentine, Geo. H. McFadden, Chas. J. Bell, Geo. H. McFadden, John R. Valentine, Hill Top Farm, Geo. F. Stone, Geo. F. Stone,	*35,548 34,721 *34,247 33,409 32,987 *31,745 *30,857 *28,692 28,431 27,588 *27,306	1,304.77 1,435.11 1,322.95 1,277.04 1,265.61 1,117.63 1,355.36 1,074.56 1,123.76 1,089.40 946.66	1,523 1,672 1,543 1,490 1,477 1,367 1,581 1,254 1,311 1,271 1,092	3.68 4.15 3.86 3.83 3.84 3.72 4.36 3.74 3.96 3.98 3.44	



CASTLEMAINS VIOLET
Owned by Arthur H. Sagendorph, Spencer, Mass.



LESSNESSOCK MACDONALD
Owned by Arthur H. Sagendorph, Spencer, Mass.

TWO YEARS' RECORD.

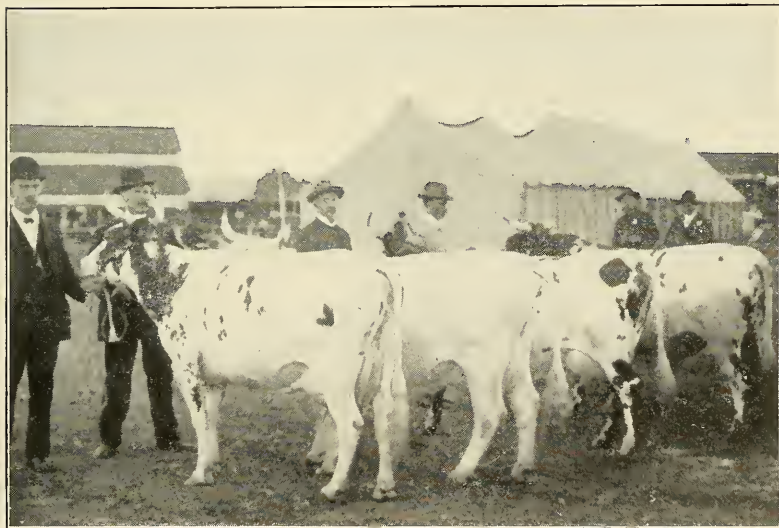
Name.	Owner.	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	Average Pet. Fat.
Netherhall Brownie 13th,	J. W. Ogden,	26,248	993.67	1,159	3.77
Rena Ross,	John R. Valentine,	25,137	1,081.32	1,262	4.3
Anchenbrain White Beauty 2d,	Percival Roberts, Jr.,	24,283	1,002.61	1,169	4.13
Queen Ester,	H. C. Groome,	23,679	778.69	909	3.29
Ithan 5th,	John R. Valentine,	23,578	995.02	1,161	4.22
Fern Ayer,	John R. Valentine,	23,448	895.89	1,045	3.82
Keepsake,	John R. Valentine,	23,233	911.36	1,064	3.92
McAlister's Betty,	Percival Roberts, Jr.,	22,700	937.70	1,094	4.15
Jennie of Sand Hill,	S. S. Karr & Son,	22,637	971.61	1,134	4.33
Madonna Lass 3d,	Hill Top Farm,	22,564	920.52	1,073	4.08
Mattie of Sand Hill,	S. S. Karr & Son,	*22,109	942.72	1,190	4.28
Enid S.,	Friends' Asylum,	*22,035	860.44	1,003	3.9
Lily of Willowmoor,	J. W. Clise,	21,941	828.58	968	3.78
Madonna Lass 2d,	Hill Top Farm,	21,915	890.45	934	3.66
May Hebron,	M. J. Karr & Son,	*21,853	876.31	1,023	4.02
Lillian Drummond 4th,	F. W. Spalding,	21,671	815.15	951	3.79
Kaziah of Highland,	John R. Valentine,	21,594	794.59	928	3.73
Drummond's Gem,	Hill Top Farm,	21,587	747.98	872	3.46
Gardrum Brandy,	J. W. Clise,	*21,586	812.04	948	3.77
Vera,	Geo. F. Stone,	21,541	780.08	910	3.62
Skaith Lady Beauty,	J. W. Clise,	*21,178	774.44	904	3.66
May Mitchel,	Percival Roberts, Jr.,	*21,127	815.23	951	3.84
Castlemain's Nancy 2d,	Percival Roberts, Jr.,	*20,887	768.80	897	3.68
Babe's Duchess,	Hill Top Farm,	20,182	808.93	944	4.01
Lady Belle of Spring Hill,	S. S. Karr & Son,	20,175	772.80	902	3.83
Brown Eyes of Knockdon,	Geo. H. McFadden,	*20,172	791.61	924	3.94
Douglas Cordelia,	Hill Top Farm,	20,097	709.46	828	3.52



DEWDROP OF SPRING HILL. 20950

Owned by Penshurst Farm, Narbert, Pa.

Record: 10,554 lbs. milk, 396.09 lbs. fat, 462 lbs. butter, 3.75% fat



WILLOWMOOR HERD OF AYRSHIRES

Owned by J. W. Clise, Redmond, Wash.

Name.	Owner.	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	Average Pct. Fat.
Douglas Empress.	Hill Top Farm,	*20,033	846.64	987	4.22
Mable of Sand Hill,	S. S. Karr & Son,	19,622	775.72	905	3.98
Gertrude Kelvyn,	Geo. F. Stone,	19,618	697.80	814	3.57
Gazelle Melrose,	W. V. Probasco,	19,474	716.67	836	3.68
Megsy Tipperlin 3d,	John R. Valentine,	*19,438	726.77	848	3.73
Bell Averb,	John R. Valentine,	19,045	802.62	936	4.25
Carston Evelma,	J. W. Clise,	*18,921	742.57	866	3.93
Xoa,	Geo. H. Yeaton,	18,894	665.51	777	3.53
Sarah Hebron,	M. J. Karr & Son,	*18,806	895.02	1,044	4.77
Yucca Douglas,	Chas. J. Bell,	18,788	654.46	764	3.49
Daisy of Rosemont,	Geo. H. McFadden,	18,749	735.01	857	3.92
Finlayston's Fern,	John R. Valentine,	*18,728	719.47	840	3.84
Bessie of Sand Hill,	S. S. Karr & Son,	18,714	858.25	1,002	4.55
Blanche of Sand Hill,	Cornell University,	*18,702	748.55	873	4.01
Nancy Almond,	S. S. Karr & Son,	*18,677	805.64	940	4.31
Lady Burton,	Chas. J. Bell,	*18,666	649.26	757	3.48
Margaret of Rathalla,	Hart Wallace,	18,467	712.97	832	3.86
Ithan 3d,	John R. Valentine,	18,407	741.23	865	4.03
Soney of Barclay,	J. W. Clise,	18,366	751.74	878	4.09
White Lola,	J. W. Clise,	18,339	680.31	794	3.7
Oshawe Lady 2d,	John R. Valentine,	18,328	729.40	852	4.03
Iola Lorne,	C. M. Winslow,	*18,081	673.18	785	3.73
Agnes Sebastian,	J. F. Butterfield,	*18,024	688.64	803	3.82
Norwood Model,	J. W. Ogden,	*18,004	613.65	716	3.41
Lady Bell 4th,	John R. Valentine,	17,984	786.22	917	4.37
Addington Queen 2d,	Hill Top Farm,	*17,913	639.68	745	3.78
Letta Lind of Radnor,	Hill Top Farm,	*17,856	740.79	864	4.14



MIDLAND GREENFIELD
Owned in Scotland



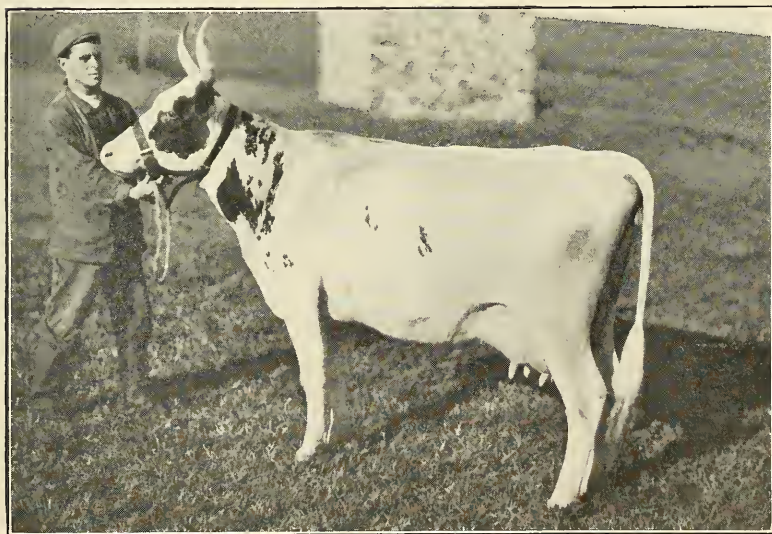
TENA OF KELSO, 28395
Owned by Arthur H. Sagendorph, Spencer, Mass.

Name.	Owner.	Lbs. Milk.	Lbs. Fat.	Lbs. Butter.	Average Pet. Fat.
Lizzie of Barclay,	Geo. H. McFadden,	17,825	805.61	940	4.52
Megsy Tipperlin,	John R. Valentine,	17,818	671.85	784	3.83
Bell Ayer 2d,	John R. Valentine,	*17,811	812.99	949	4.57
Irene Douglas,	Hill Top Farm,	*17,760	734.40	*857	4.13
Rose Clockston,	Francis L. Stetson,	17,747	591.49	684	3.37
Linda S.,	W. V. Probasco,	*17,731	689.74	805	3.89
Willowmoor Marjorie Douglas,	J. W. Clise,	*17,678	605.89	707	3.43
Maud Douglas,	Hill Top Farm,	*17,629	634.11	740	3.58
Lady Quality,	Percival Roberts, Jr.,	*17,608	723.37	844	4.11
Crimson Lady,	Geo. F. Stone,	17,408	714.17	833	4.11
Rena Ayer,	John R. Valentine,	17,353	746.93	871	4.23
Bonnie 2d of Radnor,	J. W. Clise,	17,348	682.13	796	3.95
Lady Star,	W. V. Probasco,	*17,331	631.31	737	3.64
Rose Aileen,	Francis L. Stetson,	17,228	569.93	665	3.34
Speckled Beauty,	Percival Roberts, Jr.,	17,050	671.78	784	3.95
Colonel's Daughter,	John R. Valentine,	16,987	650.38	759	3.85
Cora T. 3rd,	S. S. Karr & Son,	16,800	692.17	807	4.11
Starlass,	John R. Valentine,	16,752	646.49	755	3.85
May Hebron 2d,	M. J. Karr & Son,	*16,361	617.13	720	3.77
Ithan 4th,	John R. Valentine,	*16,011	625.26	730	3.9
Eliza T.,	S. S. Karr & Son,	15,994	673.16	785	4.23
Dew Blossom,	M. J. Karr & Son,	15,429	679.09	781	4.34
Willowmoor White Beauty,	J. W. Clise,	*15,156	563.24	657	3.75
Hazel of Stanley,	C. A. Griscorn,	14,819	586.65	385	3.96
Phoebe of Hillview,	Hart Wallace,	14,778	612.61	715	4.15
Lulu Avondale,	C. M. Winslow,	14,448	593.35	692	4.12
Lady's Princess,	Percival Roberts, Jr.,	13,858	601.36	702	4.3

*Cumulative record from consecutive annual tests with an average of not over fifteen months between freshening.



BEUCHAN PETER PAN
Champion Aged Bull at National Dairy Show, 1911
Owned by J. W. Clise, Redmond, Wash.



SPRINGHILL QUEEN BEE
Owned by Arthur H. Sagendorph, Spencer, Mass.

ADVERTISEMENTS OF
AYRSHIRE CATTLE
FOR SALE

WESTOVER HERD AYRSHIRES

Howie's Blue Blood 12936 imp. at service. Sire, Howie's Record Time "7765," Dam Howie's Davina "25993." His dam, both gr. dams and three gr. gr. dams have official records higher than required to qualify for the Advanced Registry. His sire, gr. sire and gr. gr. sire have daughters which have made official records higher than required to qualify for the Advanced Registry.

1 Premier Championship, 3 Grand Championships, 3 Reserve Grand Championships, 6 Championships, 13 First, 9 Second, and a number of lesser prizes won in 1911.

Eighty (80) head sold in 1911.

Farm reached by trolley or twenty minutes motor drive from Hartford.

WM. T. WELLS

NEWINGTON

—:—

CONN.

LOANTAKA FARMS

MORRISTOWN

::

NEW JERSEY

On D. L. & W. R. R., 30 miles from New York City.



NETHERHALL BROWNIE 13th

Owned by J. W. Ogden, Morristown, N. J.

Mature Record: 31,217 lbs. of milk, 503.45 lbs. of fat equal to 587 lbs. of butter with 3.87% fat.

Our herd consists of 40 head of cows and heifers, nearly all of which are imported. Every animal in the herd was entered in the Advanced Registry test last year, and every one qualified, with a large margin to spare.

WE AIM TO PRODUCE CATTLE OF THE HIGHEST GRADE ONLY

We have five members of the great Netherhall Brownie family, beside our bull. We own the cow **Netherhall Brownie 13th**, which has been referred to as "The handsomest cow living," and made a record of 13,031 lbs. in the first year of her importation, and is making a still larger one this year.

It is our intention to establish a herd, entirely of our own breeding, and we shall offer for sale one-half of the imported cows this year.

Address all correspondence to

LOANTAKA FARMS,

J. W. OGDEN, Prop., Morristown, N. J., or 100 Broadway, New York City.

LOANTAKA FARMS

MORRISTOWN

NEW JERSEY

On D. L. & W. R. R., 30 miles from New York City.



NETHERHALL MASTER (3 yrs.)

1st Dam—Netherhall Brownie 15th.

2nd Dam—Netherhall Brownie 5th.

Dam of the World's Champion Ayrshire Cow.

Record—18,110 Pounds Milk, 911 Pounds Butter.

No Ayrshire bull in the world has a greater milk inheritance than **Netherhall Master**, and he is transmitting his beautiful form and style to all his calves, in a most remarkable manner.

His get are eagerly sought after by those who aim to breed the best. We believe that bull calves, sired by **Netherhall Master**, out of imported Advanced Registry cows, will prove a sound investment to all breeders.

Pleasant View Ayrshires

C. B. STEVENS

ST. JOHNSBURY

— : —

VERMONT



NETHERHALL ROBIN HOOD 11476 IMP.

Unbeaten in the Show Ring, in Scotland, Canada and the United States. Sire of Lessnessock Good Gift, said to be the greatest bull in Scotland, Netherhall Master, Howie's Cream-pot, champion heifer in Scotland in 1910, Netherhall Kate 20th, with a two-year-old official record of 7854 lbs. 4.4% milk in 40 weeks.

STOCK OF ALL AGES FOR SALE

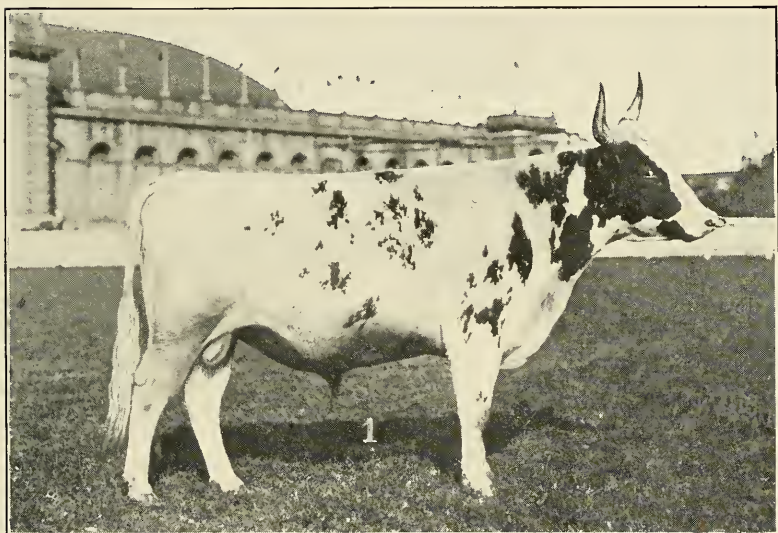
Riverside Stock Farm

JOSEPH SALADINO, Proprietor

Importer and Breeder of

REGISTERED AYRSHIRE CATTLE

ORFORD, NEW HAMPSHIRE



HOME OF

Imp. Hillhouse Bonnie Scotland "7730" 13194

Dam has a record of 10,000 lbs. of milk in Scotland. This type young bull gives promise of combining the perfect Ayrshire with great Dairy prepotency.

Won 1st as a two-year-old at Ottawa and also 1st at the Vermont State Fair, 1911.

Show Cows, heavy milkers and young stock always on hand and for sale. Advance Registry Stock.

Imp. Townhead Swell 28765, gave 160½ lbs. of milk in three days, also won 1st at Ottawa in 1910.

WILLOWMOOR FARMS AYRSHIRES

You should have a Willowmoor bred bull in service in your herd. The President and Secretary of the American Association each have one

WILLOWMOOR AYRSHIRES are the highest type of Ayrshire.

They have upheld in the show ring and at the pail the reputation of the Ayrshire as the greatest combination of form and function to be found among the pure bred dairy breeds.

WILLOWMOOR AYRSHIRES hold the World's Record for production; Official Advanced Register.

WILLOWMOOR AYRSHIRES were awarded the Championship of America; National Dairy Show. "The court of last appeal."

WILLOWMOOR AYRSHIRES are the Champions in the show ring and the Champions at the pail.

WILLOWMOOR AYRSHIRES are continually developing and making new records. We have two cows now on test that give every indication of making World Records.

WILLOWMOOR AYRSHIRES were awarded the Association cups for 1910-1911, for the highest year's production in the age cow, and four-year old classes, and had a three-year old away up.

WILLOWMOOR AYRSHIRES will increase in value on your hands through their own individual development and the increase in the records of their dams. Buy a bull and have him double, treble and as has been the case in several instances increase ten fold in value.

WILLOWMOOR AYRSHIRE bull calves are backed by the Champion blood of Scotland or the Champion blood of America.

WILLOWMOOR AYRSHIRE bull calves are about half of them backed by the blood of the Champion producing and breeding cow through her only son whose get were winners at the Chicago show, a showing rarely equalled.

WILLOWMOOR AYRSHIRES will get results for you as they have gotten results for Willowmoor.

WILLOWMOOR FARMS,

REDMOND, WASHINGTON.

J. W. CLISE, Owner.

A. STONE, Manager.



ALTA CREST AYRSHIRES

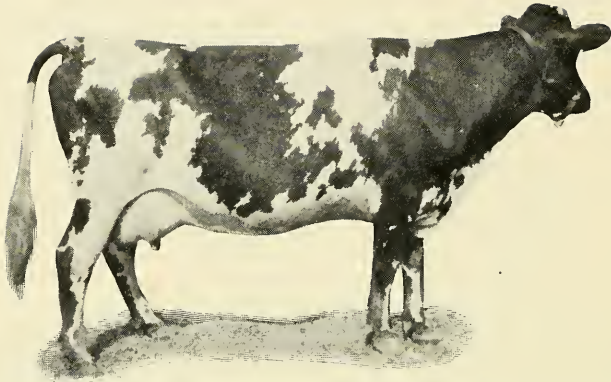
Herd consists of one hundred head, nearly all of which are either Imported or Canadian bred, of the fashionable color and type, bred for constitution, beautiful udders, long teats, and deep milking qualities.

FOUR SERVICE BULLS

This variety of males allows the practice of rigid selection and close adherence to type, conformation and quality in mating.

Stock of all ages for sale.

ARTHUR H. SAGENDORPH, SPENCER, MASS.



Osla of Fayre, No 25349, dropped April 1, 1906. Record for 5 mos. (Feb. 7 to July 7, 1912) 6045 lbs. milk, and 254.4 lbs. butter-fat or 300 lbs. butter.

DUNSMORE FARM

AYRSHIRES

ST. ALEANS, VT.

This is a young herd, Osla of Fayre being the oldest cow in it, but the choicest strains of Scotch and Canadian breeding are well represented. Cows are good size, with large capacity, with good teats and udders well shaped; are not only persistent milkers, but give a large amount of milk that tests high in butter-fat.

Advanced Registry tests of this herd were begun in February, 1912, and all cows and heifers which have freshened since then are now under test; the others will be tested as soon as they freshen.

Guarantee of the Lotus Fields is now at the head of the herd, and he is not only a fine individual, but is a product of the most skillful Scotch breeding, being a grandson of two of Scotland's most famous bulls, Howie's Erin Go Bragh, and Lessnessock Marshall Oyama.

We are offering for sale a few bull calves of the fashionable type and color, and whose dams are now making good in the A. R. test.

Visitors always welcome. P. O. Address.

GEO. H. DUNSMORE,

R. D. 1.

SWANTON, VERMONT.

Branford Farms

Ayrshires

STOCK OF BOTH SEXES AND ALL AGES FOR SALE.

HERD SIRES.

NETHERCRAIG SPICY SAM, Imp. "5927."

As a two-year-old, 1st at Kilmarnock, Ayr, Glasgow, Galston, and the Highland Show at Peebles, Scotland. As a three-year-old, 1st at Kilmarnock, Ayr, Glasgow, East Kilbride, Highland Show and Royal Show; also winner of the Cup at Ayr, and the Prince of Wales Gold Medal for the best Ayrshire at Edinburgh. As a five-year-old, 1st at the Royal Show at Gloucester. He was for four years Champion of Great Britain.

Netherhall Good Time, Imp. 11447, whose get were first at Brockton, and the National Dairy Show in 1911, and whose great grand-dam was dam of Netherhall Brownie 9th, the record cow of the breed. His first daughter to qualify for A. R. made 8.104 pounds milk, 327.48 pounds fat as a two-year-old. Several others under test are making records.

Auchenbrain His Eminence, Imp. 14408, winning two-year-old at the National Dairy Show, Chicago, 1911. The dam of this bull is one of the best cows in Scotland.

White Beauty's Monarch, 13089, a son of Auchenbrain's White Beauty 2nd, who has a year milk record of 13,789 pounds and a two year record of 24,283 pounds.

Willowmoor Robin Hood, 13485, grandson of Netherhall Brownie 9th, the record cow of the breed, 18,110 pounds of milk, 958 pounds butter, average test 4.69.

Our females consist of the best Imported strains of Auchenbrain, Lessnessock, Nethercraig, and others of equally good breeding.

We have also Canadian and American bred animals for sale at reasonable prices.

One hundred and fifty head to select from.

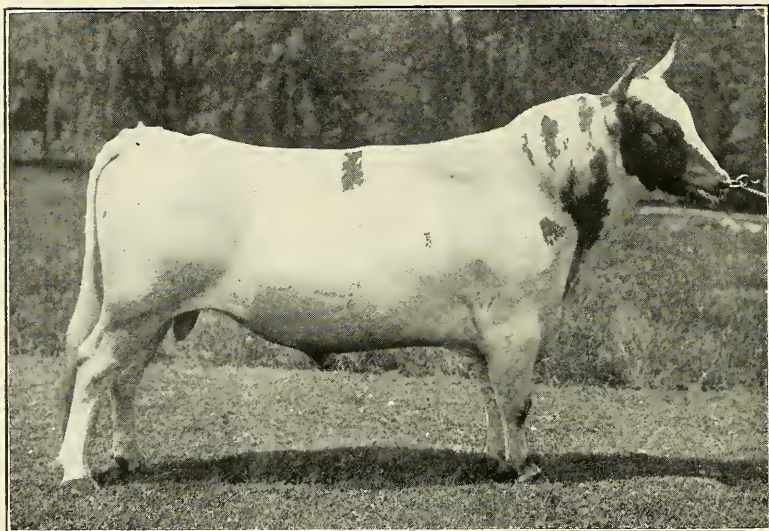
For full information, address:

HENRY FIELDEN, Manager.

BRANFORD FARMS

HIGHLAND FARM AYRSHIRES

IMPORTERS AND BREEDERS OF THE BEST



IMPORTED FINLAYSTON, 8882

—HAS—

Three (3) three-year-old daughters with records as follows:

Ithan 5th—2658213,180 lbs. of milk; 656 lbs. of butter

Keepsake 2d—26013—12,235 lbs. of milk; 623 lbs. of butter

Rena Ross 2d—25295.12,043 lbs. of milk; 546 lbs. of butter

An average of 12,486 lbs. of milk; 608 lbs. of butter

—AND—

Seven two-year-olds with records averaging

10,245 lbs. of milk, and 503 lbs. of butter,

—AND—

Ithan 5th, as a 2-year-old, 10,397 lbs. of milk; 504 lbs. of butter

Ithan 5th, as a 3-year-old, 13,180 lbs. of milk; 656 lbs. of butter

Total for the two years, 23,577 lbs. of milk; 1160 lbs. of butter

All of those Records are unequalled by the daughters of any other bull of the breed.

SPECIAL ATTENTION is called to the fact that the sire of Finlayston and Netherhall Brownie 9th (champion producing cow of the world) have the same Dam—Brownie 5th. of Netherhall.

The Herd consists of 205 head. The largest herd of Ayrshires in the East.

Write for particulars, or come and visit us.

JOHN R. VALENTINE, Proprietor.

PHILIP C. PALMER, Manager.
Bryn Mawr, Pa.

HIGHLAND FARM AYRSHIRES

Importers and Breeders of the Best



IMPORTED BARON'S BEST OF BARGENOCK, 12858

was personally selected by Mr. Valentine to breed to Imported Finlayston's Daughters. He combines to an unusual degree, style, finish and constitution, and is backed by the greatest producing ancestors of any bull ever imported.

His Dam, Snowdrop, 3rd, has three records of over 10,000 lbs. of milk, all made within thirty-nine weeks. Both of his grand-dams have records of over 8,000 lbs. in forty weeks. They all test high.

The daughters of Baron's Best out of Finlayston Dams are, in addition to having style, beauty and great constitution, the largest and best teated Heifers ever born on the Farm.

Our Bull Calves by Baron's Best, out of Dams by Imp. Finlayston, carry the greatest line of producing ancestors in the Ayrshire World.

Through Baron's Best they have the noted Durwood Lely; Through Finlayston—Finlayston Maggie, 3rd, and The Champion Cow, Netherhall Brownie, 9th—Record, 18,110 lbs. of milk and 958 lbs. of butter. And as foundation stock back of those, such cows as Rena Ross—The Living Champion—Record, 15,072 lbs. of milk, and 751 lbs. of butter.

HIGHLAND FARM has the Largest Number of A. R. Cows in the World

	MILK	BUTTER
23 two-year-olds averaged....	8,534 lbs.	412 lbs.
18 three-year-olds averaged....	9,215 lbs.	450 lbs.
7 four-year-olds averaged....	10,445 lbs.	484 lbs.
20 aged cows averaged.....	10,848 lbs.	501 lbs.
68 head averaged.....	9,760 lbs.	461.3 lbs.

Farm located 9 miles from Philadelphia, Pa.

Stock at reasonable prices.

SOME YOUNG BULLS AT FARMERS' PRICES.

HIGHLAND FARM, Bryn Mawr, Pa.

PHILIP C. PALMER, Manager.

CLOVER HOME FARM

GOVERNEUR, NEW YORK

REGISTERED AYRSHIRES

The home of seventy head of Ayrshires, selected, bred and fed for profitable dairy results.

Size, dairy quality, rudimentary perfection, beauty and utility are all to be found here.

The bulls heading the herd for 1912 are:—

HOWIE'S RINGLEADER Imp. No. 12582, "\$899," bred by Andrew M. Baird, Garclaugh, Scotland. Dam—GARCLAUGH MANSFIELD 4th—72 lbs. daily. 9,670 lbs. 4.2% milk in 34 weeks.

Sire's dam—CASTLEMAIN'S SWEET MARIE—gave 9,970 lbs. milk in 32 weeks at 16 years of age.

TORR'S ADVOCATE Imp. No. 13365, "8336," bred by William Lindsay, Torr's, Scotland. Sire:—TORR'S MUCKLE FORTUNE. Dam:—TORR'S CONY 2nd. The grand-sire of this bull was the sire of NETHERHALL BROWNIE 9th, Champion Ayrshire cow of the world. 18,810 lbs. milk—958 lbs. butter.

GREAT COMBINATION No. 13583, probably the best American bred bull on this continent. Sire:—RENA'S CHAMPION for which Mr. Reymann paid \$500.00 at birth. Grandsire:—The famous imported FINLAYSTON, and Grand-dam, the invincible RENA ROSS, ex-champion Ayrshire cow of the world, and the greatest Ayrshire cow now living.

Record: 15,072 lbs. milk—751 lbs. butter. Average annual production for a long term of years, over 12,000 lbs. milk.

Dam:—DAISY VERBANK 2nd. 26993, with an official record of nearly 10,000 lbs. milk—400 lbs. butter, as a two year old heifer, and a daughter of the great Imported HOWIE'S DAIRY KING, for which Mrs. Erhardt paid \$2,000.00 years ago.

GREAT COMBINATION combines the best blood of the great AYER family—the imported FINLAYSTON—RENA ROSS, and the imported HOWIE'S DAIRY KING. He will be bred to daughters of the above imported bulls, and out of cows closely related to GLENCAIRN 3rd, DUKE OF BARCHESKIE, DENTY 9th, of AUCHENBRAIN, and other famous ancestors.

We offer for sale cows and heifers in milk, and a few extra good bull calves—no heifer calves offered.

Farm two miles from station—Bell telephone connections.

HERD TUBERCULIN TESTED

GEORGE E. PIKE

GOVERNEUR

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NEW YORK

THE PILOT AYRSHIRE CLUB

OF GOUVERNEUR, NEW YORK

A community of breeders whose aim is to encourage and promote the breeding of the dairy farmer's best profit maker—The AYRSHIRE cow.

Its members are members of the Ayrshire Breeders Association, who own farms and herds of registered Ayrshires in the town of GOUVERNEUR, New York, and who have united their efforts to raise the standard of excellence and to produce a more uniform type of dairy cow such as shall make GOUVERNEUR a recognized center for imported and domestic Ayrshires of great utility.

Ayrshires have been bred here for more than fifty years, and there are at least a dozen herds within an hour's drive of our R. R. station, that contain many grand individuals.

Standing at the head of these herds are five choice bulls, imported from Scotland—LESSNESSOCK ARTHUR, Imp. No. 13864—HOWIE'S RINGLEADER, Imp. No. 12582—LESSNESSOCK LIEUTENANT, Imp. No. 12442—TORR'S ADVOCATE, Imp. No. 13865—LESSNESSOCK CASHIER, Imp. No. 14305—together with a half dozen or more of the very best American bred bulls.

For many years we have selected to head our herds, the best bulls we could find and the AYER family—GLENCAIRN 3rd—MOONSTONE—HOWIE'S DAIRY KING—FINLAYSTON—NETHERHALL MASTER—DENTY 9th—RENA ROSS—and many other famous cows and bulls are represented in these herds.

If you want the foundation stock for a choice herd of registered Ayrshires, if you want a bull fit to head any herd, if you want a bunch of heifers, if you want a single cow of merit or a car-load, come to GOUVERNEUR.

REMEMBER that there are more members of the Ayrshire Breeders Assn., more herds of Ayrshires, more registered animals to select from, within a little circle here in GOUVERNEUR, than you will find anywhere else, and if you want **size** and **constitution** and **vigor** as well as **beauty** and **utility**, you are quite as apt to find it here on these northern granite rock pastures, as anywhere else in the world.

100 miles north of Syracuse and Utica. Good shipping facilities via American Express and N. Y. C. lines.

Come and see us and see what we have. Visitors always welcome.

Address.

THE PILOT AYRSHIRE CLUB

GOUVERNEUR

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NEW YORK

PENSHURST FARM

NARBERTH, PENNA.

Breeders of Ayrshire Cattle. The LARGE kind of correct type. We combine LARGE production, LARGE size, cows weighing up to 1,500 pounds, LARGE udders of proper shape, LARGE teats easily milked, LARGE net returns at the pail.

Lessnessock Douglas Monarch, 10020, Imp., A. R. No. 63, heads the herd. All his daughters tested have qualified for the Advanced Registry.

We are also using young sons of Auchenbrain White Beauty, 2nd, and Auchenbrain Brown Kate, 4th.

Our herd includes the following record cows, all records made here.

NAMES	AGE	MILK
McAlisters Betty	3	14208 (World's Champion 3 yr. old)
McAlisters Betty, 2nd.	2	10100 (Daughter of above.)
Auchenbrains White Beauty, 2nd., 6.	13798	(24,283 lbs. in 2 years.)
Garclaugh Bloomer, 2nd.	11	12969
Primrose	9	12465 (34,247 lbs. in 3 years.)
Castlemains Nancy, 2nd.	6	11767 (20,887 lbs. in 2 years.)
May Mitchell	10	11708 (21,127 lbs. in 2 years.)
Auchenbrain Brown Kate, 4th.	7	11184
Auchenbrain Bloomer, 4th.	8	11000 (Record not yet completed.)
Speckled Beauty	4	10486
Wee Jennie of Holehouse.	8	10023
Dewdrop of Springhill.	8	10554

All cows must qualify for Advanced Registry to remain here. Good bulls to head herds a specialty.

Herd free from tuberculosis.

Farm located 7 miles west of Philadelphia, on Main Line of Pennsylvania Railroad.

THE SAND HILL HERD

of Advanced Registry Ayrshires

Is one of the greatest producing herds in America.

This herd is headed by the great A. R. Sire, Earl's Choice of Spring Hill, 8289, A. R. 19. This bull has 23 daughters in the A. R. with 31 A. R. records. Five of these records are over 12,500 lbs. milk. Eight over 547 lbs. butter

Earl's Choice is ably assisted by Imp. Netherton St. Andrew, 12570. This bull is getting us some very fine calves. He sired the first prize junior bull calf at the National Dairy Show, 1911. Netherton was selected especially for us by Wm. Hunter, from the great producing herd of Thomas Clement.

Below we give a list of records over 12,000 lbs. milk, that have been made in our own herd, also a list of records over 600 lbs. butter.

	(class)	(milk)
Midget of Sand Hill.....	19487	mature 14433 lbs.
Matie of Sand Hill.....	23323	3 yr. 13897 lbs.
Mable of Sand Hill.....	24719	4 yr. 13316 lbs.
Mable of Sand Hill.....	24719	3 yr. 12357 lbs.
Bernice Clyde	24176	4 yr. 12524 lbs.
Bernice Clyde	24176	3 yr. 12505 lbs.
Jennie of Sand Hill.....	19490	mature 12477 lbs.
Cora T.	13772	mature 12392 lbs.
Cora T. 2nd.....	18400	4 yr. 12230 lbs.
Bessie Clyde	17287	mature 12044 lbs.
(butter)		
Hazel of Sand Hill.....	24720	2 yr. 732 lbs.
Matie of Sand Hill.....	23323	3 yr. 692 lbs.
Eessie of Sand Hill.....	20365	mature 626 lbs.
Jennie of Sand Hill.....	19490	mature 624 lbs.
Bernice Clyde	24176	3 yr. 618 lbs.
Midget of Sand Hill.....	19487	mature 609 lbs.

Midget of Sand Hill is at the head of the 3 year cumulative record list, with a record of 35,548 lbs. milk, 1,304.77 lbs. fat. and 1,523 lbs. butter, an av. % fat of 3.73.

Matie of Sand Hill leads in the 2 year cumulative record with 22,109 lbs. milk, 942.72 lbs. fat, and 11,000 lbs. butter, an av. % of 4.31.

We have a few choice bull calves for sale.

Herd Tuberculin tested. Visitors welcome.

S. S. KARR & SON

ALLEGANY COUNTY.

ALMOND, N. Y.

THE UPLANDS

BRISTOL, NEW HAMPSHIRE.

Breeders of High Class Registered Ayrshire Cattle, for Beauty and Utility Combined. Herd headed by **Imported Less-nessock Lord Arthur No. 12441**. He has sired the best calves we have ever raised. A limited number of his heifers for sale. Only the best Bull Calves are offered. One Bull Calf, six months old, two-thirds white, a beauty, for sale now.

Herd constantly Tuberculin tested.

Correspondence invited.

M. L. LOCKWOOD, Manager

MAPLESIDE FARM AYRSHIRES

Herd headed by the First Prize bull "**Auchenbrain's Victor Hugo**" 13090.

Young stock of the right type from heavy producing cows always for sale.

Herd tuberculin tested annually.

DUDLEY WELLS, 2nd

MAPLESIDE FARM

WETHERSFIELD, CONN.

WOODSIDE FARM AYRSHIRES



BUTTERCUP OF HILLCROFT

8,287 pounds milk, 400 pounds butter as a 3-year old.

Bred for large production at the pail.

Correct type, popular color. Won 13 prizes out of 14 entries at Brockton, Mass., fall 1911.

Herd tuberculin tested. Young stock for sale.

H. W. PARDEY

DIGHTON, MASS.

P. O. Segreganset.

Telephone 159-M, Taunton

Edelweiss Stock Farms

Have been breeding Ayrshire Cattle since 1872, and have made it a point to buy sires from the best herds in the country.

Young stock always for sale at reasonable prices.

FRED TSCHUDY & SONS

MONROE, WIS.

MAPLE ROW STOCK FARM

AYRSHIRES

We have 75 head of Ayrshires of all ages and keep none that will not fill the bill in the dairy. Cows of good size, with strong constitutions, shapely udders, and long teats, and quiet dispositions. Visitors welcome.

F. H. COOKINGHAM

CHERRY CREEK, N. Y.

MATTHEW LEGGAT

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SPRINGBURN AYRSHIRES

McMILLAN & LEGGAT, Proprietors.

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Carr's, G. T. R. R., Huntingdon, N. Y. C. R. R. (Only a night's ride from either New York or Buffalo.)

The oldest herd in Quebec, though under new name and management, still goes on the same. The skill of a life time is at your service when you select from, or through us.

A choice selection of all ages always on hand. Over 1,500 head of registered Ayrshires in immediate vicinity. Write us your wants.

McMILLAN & LEGGAT

TROUT RIVER, QUEBEC.

FOR SALE

Choice Young Bulls
Any Age

SIRE	BY	JACK MACDONALD	10259
"	"	PROVOST MARSHAL	10369
"	"	FAIRFIELD CHIEF	13046

WRITE US FOR PRICES AND PARTICULARS

Brookside Farm Company Fort Wayne, Ind.

OLD HOME FARM AYRSHIRES

ESTABLISHED IN 1872

Master's Good Hope No. 14462 from Loantaka Farms heads our herd.
He is a member of the Netherhall Brownie Family.

CHARLES M. MARSHALL

GOUVERNEUR - - NEW YORK

Wood Lawn Farm Ayrshires

Herd headed by **Imported Lessnessock Arthur**, a very worthy son of Netherton King Arthur, champion bull of Scotland.

J. A. MARSHALL

Phone No. 7, F-21.

Gouverneur, N. Y.

AYRSHIRES

HERD ESTABLISHED IN 1871

All ages, both sexes, bred for practical dairy purposes, size, constitution, disposition, style, length of teat and deep and persistent milkers.

SINGLE ANIMALS OR CAR LOTS

F. D. & E. STOWELL

Successors to L. D. Stowell

Black Creek

Allegany County

New York

HILL VIEW FARM AYRSHIRES

Heavy Producing, Good Testing, Good Teated Cows have been our aim, and we have got these qualities highly developed in the Dairy Maid Strain that we have been breeding 23 years. Moonshine of Barclay, No. 10261, is at present our principal Herd Bull. We give a square deal to all purchasers. Good shipping facilities. Visitors met at Railway or Electric stop 129 on Green Line. Three herds comprise about 80 head.

A. B. McCONNELL & SONS,

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Wellington, Ohio

HENDERSON AYRSHIRE FARM

HUDSON, OHIO

BULL CALVES FOR SALE

OAKWOOD FARM

AYRSHIRE CATTLE, SHROPSHIRE SHEEP

Bargenock, No. 13746, Imported; Sire, Bargenock Scott Again, No. 8165; Dam, Bargenock Hope, No. 27954, Imp. at head of the herd. The females contain the blood lines of the Glencairn, Barcheskie Auchenbrain and Majestic families.

C. C. RICHARDS,

Oaklondon, Indiana

SARATOGA COUNTY AYRSHIRES

Female descendants of Nonpareil, Carbello, Col. Ayer, Nox 'emall, and Finlayston. Herd bull a son of Good Gift, the great Scotch bull, whose dam is very closely related to Netherhall Brownie 9th.

YOUNG STOCK FOR SALE

F. R. SHERMAN

SCHUYLERVILLE

—:—

NEW YORK.

ELM VALLEY HERD

Established in 1883, now headed by **Statesman of Springhill, 9728**, sire Lessnessock King of Beauty, 9726; dam Dewdrop of Springhill, 18010. A. R. record 10,555. The breeder of Rena Ross, Fern Ayr, Polly Puss, Keepsake and Ithan.

YOUNG STOCK FOR SALE.

W. G. TUCKER

R. D. 1.

Wellsville, N. Y.

ROCK RIDGE FARM AYRSHIRES

Torrs Advocate Imp. No. 13865 heads the Herd. His dam, Torrs Cony 2nd No. 17834 gave in 43 weeks 1102 gals. of 3 72% milk. Torrs Advocate was bred by William Lindsay, Torrs, Castle Douglas, Scotland.

STOCK FOR SALE

GEORGE L. RODGER

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GOUVERNEUR, NEW YORK

Ayrshire Breeders' Association

Information about the Association and about the Advanced Registry System furnished on application to the Secretary.

Blanks for entering animals for registry furnished free, also all necessary blanks for advanced registry testing are furnished free.

Literature about the Ayrshire Cow furnished free on application to

C. M. Winslow, Sec.-Treas.

BRANDON, VERMONT.

